

Indiana Harbor:

#1 Baling

#1 Dealer Bundles

#1 Factory Bundles

#1 Railroad Heavy Melting Scrap

#1.5 Dealer Bundles

#2 Shredded Scrap

Mandrel Wound Bundles

P&S

Processed B-Scrap

Railroad Wheels

Steel Pit Scrap

Tin Busheling

Tin Can Bundles

Tin Plate Bundles

<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b>	<b>Material No.</b>																																
557590			01/01/86	505.001																																
<b>Inventory Account No.</b>	Data herein contained should NOT be divulged to anyone outside the Arcelor Mittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b>	<b>Rev. No.</b>																																
11309			05/28/09	10																																
<b>Material Classification:</b> SCRAP																																				
<b>Name of Material (generic/proprietary):</b> #1 DEALER BUNDLES																																				
<b>Product Characteristic –</b> AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> All new black steel sheet scrap, clippings, or skeleton scrap. Hydraulically compressed. Originating in a dealers's yard. All new production material. <b>Size:</b> No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds. <b>Density:</b> 150 pounds per cubic foot minimum <b>Chemistry:</b> Carbon 0.06%      Copper 0.03% max.      Manganese 0.32%      Tin 0.01% max      Sulfur 0.011% Nickel 0.03% max      Phosphorus 0.011%      Moly 0.01% max      Silicon 0.03%      Chromium 0.03% max Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.																																				
<b>Special Instructions/Packaging:</b> Packaging: May not contain detinned material unless specifically approved by the buyer. May contain up to 20% galvanized or painted sheet.																																				
<b>Supplier Controls:      Testing Options:</b> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>																																				
<b>Disposition of Non-Conforming Material by using Department/Purchasing</b> Reject and return to supplier at his cost.																																				
<b>Using Departments:</b> 2SP, 3SP, & 4SP																																				
<b>Approvals:</b> George Skoczylas (Steelmaking Op Tech) 7/23/09																																				
<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: <table border="0"> <tr> <td>Drive train parts</td> <td>Borings</td> <td>Rebar</td> <td>Barrels</td> </tr> <tr> <td>Electric motors</td> <td>Rolls</td> <td>Cast iron</td> <td>Free copper</td> </tr> <tr> <td>Scale</td> <td>Engine blocks</td> <td>Large appliances (white)</td> <td>Heavy lubricants</td> </tr> <tr> <td>Fuel tanks</td> <td>Terneplate</td> <td>Wire mesh</td> <td>Pipe valves</td> </tr> <tr> <td>Turnings</td> <td>Tanks/cylinders</td> <td>Tinplate</td> <td>High pressure pipe</td> </tr> <tr> <td>Springs</td> <td>Filters</td> <td></td> <td></td> </tr> </table> Material will not include non-metallics such as: <table border="0"> <tr> <td>Concrete</td> <td>Dirt</td> <td>Hazardous waste</td> <td>Oils</td> </tr> <tr> <td>Toxic waste</td> <td>Wood</td> <td>Tires</td> <td>Plastics</td> </tr> </table> And any other non-conductor or contaminant not listed above.					Drive train parts	Borings	Rebar	Barrels	Electric motors	Rolls	Cast iron	Free copper	Scale	Engine blocks	Large appliances (white)	Heavy lubricants	Fuel tanks	Terneplate	Wire mesh	Pipe valves	Turnings	Tanks/cylinders	Tinplate	High pressure pipe	Springs	Filters			Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.																																				
<b>REVISIONS</b>																																				
#6	06/26/97	revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP). No more than 24" x 24" x 36" long with individual bundles weighing no more than 4,000 pounds (IIBP)". ; revised using departments																																		
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#9	04/11/08	revised company name and using department titles																																		
#10	05/28/09	revised format, revised document title and added section for revision history																																		
Reviewed: 7/23/09 by S. M. Galloway																																				

<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b>	<b>Material No.</b>
557589			01/01/86	503.001
<b>Inventory Account No.</b> 11308 & 11336	Data herein contained should NOT be divulged to anyone outside the Arcelor Mittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 10
<b>Material Classification:</b> SCRAP				
<b>Name of Material (generic/proprietary):</b> NO. 1 INDUSTRIAL BUNDLES (ALSO KNOWN AS #1 FACTORY BUNDLES)				
<b>Product Characteristic – AIM – TOLERANCE</b> (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):				
<b>Physical Description:</b> New production sheet scrap, clippings, or skeleton scrap, hydraulically compressed originating from a factory. <b>Size:</b> No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds. <b>Density:</b> 150 pounds per cubic foot minimum <b>Chemistry:</b> Carbon 0.06%      Copper 0.03%      Manganese 0.32%      Tin 0.01%      Sulfur 0.011% Nickel 0.03%      Phosphorus 0.011%      Moly 0.01%      Silicon 0.03%      Chromium 0.03% Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.				
<b>Special Instructions/Packaging:</b> Packaging: Allowable mixes of new aluminized, galvanized, painted and electrical sheet to be approved by the buyer.				
<b>Supplier Controls:</b> <b>Testing Options:</b> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>				
<b>Disposition of Non-Conforming Material by using Department/Purchasing</b> Reject and return to supplier at his cost.				
<b>Using Departments:</b> 2SP, 3SP, & 4SP				
<b>Approvals:</b> George Skoczylas (Steelmaking Op Tech) 7/23/09				
<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: Drive train parts      Borings      Rebar      Barrels Electric motors      Rolls      Cast iron      Free copper Scale      Engine blocks      Large appliances (white)      Heavy lubricants Fuel tanks      Terneplate      Wire mesh      Pipe valves Turnings      Tanks/cylinders      Tinplate      High pressure pipe Springs      Filters Material will not include non-metallics such as: Concrete      Dirt      Hazardous waste      Oils Toxic waste      Wood      Tires      Plastics And any other non-conductor or contaminant not listed above.				
<b>Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.:</b>				
<b>REVISIONS</b>				
#6	06/26/97	revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds ( <u>IIFP</u> ). No more than 24" x 24" x 36" long with individual bundles weighing no more than 4,000 pounds ( <u>IIBP</u> )."; revised using departments		
#7	07/18/02	revised using departments		
#8	11/19/03	revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds."		
#9	04/11/08	revised company name and using department titles		
#10	05/28/09	revised format, revised document title and added section for revision history		
Reviewed: 7/23/09 by S. M. Galloway				

<b>Commodity Code</b> 557567	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 03/11/87	<b>Material No.</b> 511.001																																
<b>Inventory Account No.</b> 11291	Data herein contained should NOT be divulged to anyone outside the ArcelorMittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 9																																
<b>Material Classification:</b> SCRAP																																				
<b>Name of Material (generic/proprietary):</b> NO. 1 RAILROAD HEAVY MELTING SCRAP																																				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																																				
<p><b>Physical Description:</b> Wrought iron or steel scrap from the demolition of obsolete railroad cars. Does not include bearings, wiring or Other Track Material (OTM).  Size: 1/4" minimum in steel thickness. Individual pieces not to exceed 2 ft. x 5 ft. in any dimension or weigh more than 1600 lbs.  <b>Density:</b> 45 lbs/cf minimum  <b>Chemistry:</b>  Carbon 0.30%      Copper 0.20% max      Manganese 0.62%      Tin 0.01% max      Sulfur 0.026%  Nickel 0.09% max      Phosphorus 0.026%      Moly 0.02% max      Silicon 0.24%      Chromium 0.18% max</p> <p>Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.</p>																																				
<p><b>Special Instructions/Packaging:</b>  Packaging: Axles are to be cut or removed from wheels. Axle pieces must be no longer than 30". Excessive springs will be cause for rejection. No brake cylinders or air tanks are acceptable in the load.</p>																																				
<p><b>Supplier Controls:      Testing Options:</b></p> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>																																				
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<b>Commodity Code</b> 557588	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTALINDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 01/01/86	<b>Material No.</b> 531.001																																				
<b>Inventory Account No.</b> 11302	Data herein contained should NOT be divulged to anyone outside Arcelor Mittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 10																																				
<b>Material Classification:</b> SCRAP																																								
<b>Name of Material (generic/proprietary):</b> SHREDDED SCRAP																																								
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., Arcelor Mittal STD., VENDOR STD., ETC.):																																								
<p><b>Physical Description:</b> Homogeneous steel scrap magnetically separated and hand cleaned, originating from automobiles, unprepared No. 1 and No. 2 steel, miscellaneous baling and sheet scrap. Free of steel turnings and borings, mill scale, iron oxides, cast iron runouts, excessive amounts of fluff rubber and metallic dirt.</p> <p><b>Size:</b> No individual piece will be longer than 1 foot.</p> <p><b>Density:</b> 65 - 75 lbs/cf minimum typical</p> <p><b>Chemistry:</b></p> <table border="0"> <tr> <td>Copper 0.20%</td> <td>Tin 0.01%</td> <td>Chromium 0.10%</td> <td>Sulfur 0.04%</td> <td>Nickel 0.10%</td> </tr> <tr> <td>Phosphorus 0.04%</td> <td>Moly 0.02%</td> <td></td> <td></td> <td></td> </tr> </table> <p>Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.</p>					Copper 0.20%	Tin 0.01%	Chromium 0.10%	Sulfur 0.04%	Nickel 0.10%	Phosphorus 0.04%	Moly 0.02%																													
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<b>Special Instructions/Packaging:</b> Packaging: Indiana Harbor only accepts shredded scrap from pre-approved and inspected sources.																																								
<b>Supplier Controls:      Testing Options:</b> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>																																								
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<b>Inventory Account No.</b> 11308	Data herein contained should NOT be divulged to anyone outside the Arcelor Mittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 10																		
<b>Material Classification:</b> SCRAP																						
<b>Name of Material (generic/proprietary):</b> MANDREL WOUND BUNDLES																						
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																						
<b>Physical Description:</b> Mandrel wound bundles or skeleton reels originating direct from a factory. All new production material. <b>Size:</b> No more than 30" x 30" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP). <b>Density:</b> 150 pounds per cubic foot minimum. <b>Chemistry:</b> <div style="display: flex; justify-content: space-between;"> <span>Carbon 0.06%</span> <span>Copper 0.30%</span> <span>Manganese 0.32%</span> <span>Tin 0.01%</span> <span>Sulfur 0.011%</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Nickel 0.03%</span> <span>Phosphorus 0.011%</span> <span>Moly 0.01%</span> <span>Silicon 0.03%</span> <span>Chromium 0.03%</span> </div> <p>Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.</p>																						
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<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 25%;">Drive train parts</div> <div style="width: 25%;">Borings</div> <div style="width: 25%;">Rebar</div> <div style="width: 25%;">Barrels</div> <div style="width: 25%;">Electric motors</div> <div style="width: 25%;">Rolls</div> <div style="width: 25%;">Cast iron</div> <div style="width: 25%;">Free copper</div> <div style="width: 25%;">Scale</div> <div style="width: 25%;">Engine blocks</div> <div style="width: 25%;">Large appliances (white)</div> <div style="width: 25%;">Heavy lubricants</div> <div style="width: 25%;">Fuel tanks</div> <div style="width: 25%;">Terneplate</div> <div style="width: 25%;">Wire mesh</div> <div style="width: 25%;">Pipe valves</div> <div style="width: 25%;">Turnings</div> <div style="width: 25%;">Tanks/cylinders</div> <div style="width: 25%;">Tinplate</div> <div style="width: 25%;">High pressure pipe</div> <div style="width: 25%;">Springs</div> <div style="width: 25%;">Filters</div> <div style="width: 25%;">R&amp;M scrap</div> </div> Material will not include non-metallics such as: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 25%;">Concrete</div> <div style="width: 25%;">Dirt</div> <div style="width: 25%;">Hazardous waste</div> <div style="width: 25%;">Oils</div> <div style="width: 25%;">Toxic waste</div> <div style="width: 25%;">Wood</div> <div style="width: 25%;">Tires</div> <div style="width: 25%;">Plastics</div> </div> And any other non-conductor or contaminant not listed above.																						
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<b>REVISIONS</b> <table border="0"> <tr> <td>#6</td> <td>06/26/97</td> <td>revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP). No more than 24" x 24" x 36" long with individual bundles weighing no more than 4,000 pounds (IIBP)". ; revised using departments</td> </tr> <tr> <td>#7</td> <td>07/18/02</td> <td>revised using departments</td> </tr> <tr> <td>#8</td> <td>11/19/03</td> <td>revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP)."</td> </tr> <tr> <td>#9</td> <td>04/11/08</td> <td>revised size description to "No more than 30" x 30" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP)."</td> </tr> <tr> <td>#10</td> <td>05/28/09</td> <td>revised company name and using department titles</td> </tr> <tr> <td></td> <td></td> <td>revised size description to "No more than 30" x 30" x 48" long with individual bundles weighing no more than 4,000 pounds." revised format, revised document title and added section for revision history</td> </tr> </table>					#6	06/26/97	revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP). No more than 24" x 24" x 36" long with individual bundles weighing no more than 4,000 pounds (IIBP)". ; revised using departments	#7	07/18/02	revised using departments	#8	11/19/03	revised size description to "No more than 24" x 24" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP)."	#9	04/11/08	revised size description to "No more than 30" x 30" x 48" long with individual bundles weighing no more than 4,000 pounds (IIFP)."	#10	05/28/09	revised company name and using department titles			revised size description to "No more than 30" x 30" x 48" long with individual bundles weighing no more than 4,000 pounds." revised format, revised document title and added section for revision history
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Reviewed: 7/23/09 by S. M. Galloway																						

<b>Commodity Code</b> 743959	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 09/25/96	<b>Material No.</b> 543.001
<b>Inventory Account No.</b> 11206	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date:</b> 05/28/09	<b>Rev. No.</b> 4
<b>Material Classification:</b> SCRAP				
<b>Name of Material (generic/proprietary):</b> PROCESSED B-SCRAP				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):				
<b>Physical Description:</b> Hammermill processed and screened B-scrap. <b>Size:</b> 1/4" x 3" <b>Density:</b> <b>Chemistry:</b> Min. 85% Fe      Sn .01% max      Phosphorus .040% max      Nickel .05%max      Sulfur .040% max Mo.02% max      Cu .11% max      Cr .04% max Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.				
<b>Special Instructions/Packaging:</b> <b>Packaging:</b> Only sources with non-alloy product mix (i.e. BOF shops) will be accepted.				
<b>Supplier Controls:      Testing Options:</b> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>				
<b>Disposition of Non-Conforming Material by using Department/Purchasing</b> Reject and return to supplier at his cost.				
<b>Using Departments:</b> 2SP, 3SP, & 4SP				
<b>Approvals:</b> George Skoczylas (Steelmaking Op Tech) 7/23/09				
<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: Drive train parts      Borings      Rebar      Barrels Electric motors      Rolls      Cast iron      Free copper Scale      Engine blocks      Large appliances (white)      Heavy lubricants Fuel tanks      Terneplate      Wire mesh      Pipe valves Turnings      Tanks/cylinders      Tinplate      High pressure pipe Springs      Filters Material will not include non-metallics such as: Concrete      Dirt      Hazardous waste      Oils Toxic waste      Wood      Tires      Plastics And any other non-conductor or contaminant not listed above.				
Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.				
<b>REVISIONS</b>				
#1	06/26/97	revised Supplier Controls / Testing Options but revision not noted		
#2	09/23/03	revised using departments to add "2BOF/CC & 4BOF		
#3	04/11/08	revised company name		
#4	05/28/09	revised format, revised document title and added section for revision history, revised using department		
Reviewed: 7/23/09 by S. M. Galloway				

<b>Commodity Code</b> 557566	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>	<b>Origination Date</b> 03/11/87	<b>Material No.</b> 509.001																																
<b>Inventory Account No.</b> 11290	Data herein contained should NOT be divulged to anyone outside the ArcelorMittal without specific permission from Operating Technology Material and Product quality	<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 7																																
<b>Material Classification:</b> SCRAP																																			
<b>Name of Material (generic/proprietary):</b> RAILROAD WHEELS																																			
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																																			
<b>Physical Description:</b> Carbon steel wheels, cast or forged, free of bearings and any other adhering matter. No alloy wheels. <b>Size:</b> <b>Density:</b> <b>Chemistry:</b> Carbon 0.30 - 0.65      Copper 0.20% max      Manganese 0.60 - 1.65      Chromium 0.15% max All Other Residuals Combined 0.15 max Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.																																			
<b>Special Instructions/Packaging:</b> Packaging: Axles are to be cut or removed from wheels. Prepared axles may be included with the load, max length 5'.																																			
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<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: <table border="0" style="width: 100%;"> <tr> <td>Drive train parts</td> <td>Borings</td> <td>Rebar</td> <td>Barrels</td> </tr> <tr> <td>Electric motors</td> <td>Rolls</td> <td>Cast iron</td> <td>Free copper</td> </tr> <tr> <td>Scale</td> <td>Engine blocks</td> <td>Large appliances (white)</td> <td>Heavy lubricants</td> </tr> <tr> <td>Fuel tanks</td> <td>Terneplate</td> <td>Wire mesh</td> <td>Pipe valves</td> </tr> <tr> <td>Turnings</td> <td>Tanks/cylinders</td> <td>Tinplate</td> <td>High pressure pipe</td> </tr> <tr> <td>Springs</td> <td>Filters</td> <td></td> <td></td> </tr> </table> Material will not include non-metallics such as: <table border="0" style="width: 100%;"> <tr> <td>Concrete</td> <td>Dirt</td> <td>Hazardous waste</td> <td>Oils</td> </tr> <tr> <td>Toxic waste</td> <td>Wood</td> <td>Tires</td> <td>Plastics</td> </tr> </table> And any other non-conductor or contaminant not listed above.				Drive train parts	Borings	Rebar	Barrels	Electric motors	Rolls	Cast iron	Free copper	Scale	Engine blocks	Large appliances (white)	Heavy lubricants	Fuel tanks	Terneplate	Wire mesh	Pipe valves	Turnings	Tanks/cylinders	Tinplate	High pressure pipe	Springs	Filters			Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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#7	05/28/09	revised format, revised document title and added section for revision history																																	
Reviewed: 7/23/09 by S. M. Galloway																																			



<b>Commodity Code</b> 557612	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 01/01/86	<b>Material No.</b> 537.001																																
<b>Inventory Account No.</b> 11328	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 8																																
<b>Material Classification:</b> SCRAP																																				
<b>Name of Material (generic/proprietary):</b> STEEL PIT SCRAP																																				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELORMITTAL STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> Steel reclaimed from slag processing from flat products steel making operations. Does not include blast furnace or cast iron. <b>Size:</b> No more than 4' x 3' x 9". Individual pieces should weigh no more than 4,000 pounds. Min Size: 6" x 9" x 3". <b>Density:</b> <b>Chemistry:</b> Iron Content: 85% metallic      Phosphorus .040% max      Mo .03% max      Sulfur .030% max      CR .09%max min SN .01% max      Ni .09% max      Cu .090% max Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.																																				
<b>Special Instructions/Packaging:</b> Packaging: Only sources with non-alloy product mix (i.e. BOF Shops) will be accepted.																																				
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<b>Exclusions: Sealed units or closed containers are specifically excluded.</b> Material will not include the following metallics: <table border="0"> <tr> <td>Drive train parts</td> <td>Borings</td> <td>Rebar</td> <td>Barrels</td> </tr> <tr> <td>Electric motors</td> <td>Rolls</td> <td>Cast iron</td> <td>Free copper</td> </tr> <tr> <td>Scale</td> <td>Engine blocks</td> <td>Large appliances (white)</td> <td>Heavy lubricants</td> </tr> <tr> <td>Fuel tanks</td> <td>Terneplate</td> <td>Wire mesh</td> <td>Pipe valves</td> </tr> <tr> <td>Turnings</td> <td>Tanks/cylinders</td> <td>Tinplate</td> <td>High pressure pipe</td> </tr> <tr> <td>Springs</td> <td>Filters</td> <td></td> <td></td> </tr> </table> Material will not include non-metallics such as: <table border="0"> <tr> <td>Concrete</td> <td>Dirt</td> <td>Hazardous waste</td> <td>Oils</td> </tr> <tr> <td>Toxic waste</td> <td>Wood</td> <td>Tires</td> <td>Plastics</td> </tr> </table> And any other non-conductor or contaminant not listed above.					Drive train parts	Borings	Rebar	Barrels	Electric motors	Rolls	Cast iron	Free copper	Scale	Engine blocks	Large appliances (white)	Heavy lubricants	Fuel tanks	Terneplate	Wire mesh	Pipe valves	Turnings	Tanks/cylinders	Tinplate	High pressure pipe	Springs	Filters			Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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<b>REVISIONS</b> #5      06/26/97      revised Supplier Controls / Testing Options but revision not noted #6      09/23/03      revised size from "No more than 2' x 3' x 5". Individual pieces should weigh no more than 5,000 pounds" to "No more than 4' x 3' x 9". Individual pieces should weigh no more than 4,000 pounds. Min Size: 6" x 9" x 3""; revised Chemistry on Mo from .02 to .03%, Sulfur from .040% to .030%, CR from .04 to .09%, Ni from .05 to .09% and added Cu .090%; revised using departments titles to remove "IIBP" and "IIFP" #7      04/11/08      revised company name #8      05/28/09      revised format, revised document title and added section for revision history, revised using department																																				
Reviewed: 7/23/09 by S. M. Galloway																																				

Commodity Code	PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON				Origination Date	Material No.
798959	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality				12/05/00	547.001
Inventory Account No. 11303					Revision Date	Rev. No.
					05/28/09	5
Material Classification: SCRAP						
Name of Material (generic/proprietary): TIN BUSHELING SCRAP						
Product Characteristic – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., Arcelor Mittal STD., VENDOR STD., ETC.):						
Physical Description: New production clean steel scrap including new factory busheling (i.e. sheet clippings, stampings, etc.). No mandrel wound side trim. Size: ¼” maximum thickness; not to be less than 2” or more than 24” in any one dimension. Density: 35 – 45 pounds per cubic foot typical. Chemistry: Carbon 0.06%      Copper 0.03% max.      Manganese 0.32%      Tin 0.35% max      Sulfur .011% max Nickel .03% max      Phosphorus .011%      Moly .01% max.      Silicon 0.03%      Chromium .03% max. Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.						
Special Instructions/Packaging: Packaging: May not include old autobody or fender stock.. Must be free of metal coated terneplate, limed, vitreous enameled, electrical sheet containing more than 0.5% silicon, or high alloy scrap. Small punchings will be cause for rejection.						
Supplier Controls:      Testing Options: • Visual inspection of each shipment. • Periodic unannounced yard inspections. • Shipments may be subjected to spectrographic analysis for chemical conformance, as required. • Shipment densities will be visually monitored on receipt.						
Disposition of Non-Conforming Material by using Department/Purchasing Reject and return to supplier at his cost.						
Using Departments: 2SP, 3SP, & 4SP						
Approvals: George Skoczylas (Steelmaking Op Tech) 7/23/09						
Exclusions: Sealed units or closed containers are specifically excluded. Material will not include the following metallics: Drive train parts      Borings      Rebars      Free copper Electric motors      Rolls      Cast iron      Heavy lubricants Scale      Engine blocks      Large appliances (white)      Pipe valves Fuel tanks      Terneplate      Wire mesh      High pressure pipe Turnings      Tanks/cylinders      Pipe      Roos Springs      Filters      Barrels      Mandrel wound side trim Material will not include non-metallics such as: Concrete      Dirt      Hazardous waste      Oils Toxic waste      Wood      Tires      Plastics And any other non-conductor or contaminant not listed above.						
Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.						
REVISIONS						
#2	07/22/02	revised description but change not noted.				
#3	01/29/07	revised company name, revised Physical Description to add “No mandrel wound side trim”, revised using department from #2BOF/CC & #4 BOF to #2 SP & #4 SP, revised Exclusions to add “Mandrel wound side trim”				
#4	04/11/08	revision not noted				
#5	05/28/09	revised format, revised document title and added section for revision history				
Reviewed: 7/23/09 by S. M. Galloway						

Commodity Code	PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON				Origination Date	Material No.
792464	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality				12/05/00	551.001
Inventory Account No. 11303					Revision Date 05/28/09	Rev. No. 3
Material Classification: SCRAP						
Name of Material (generic/proprietary): TIN CAN BUNDLES						
Product Characteristic – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELORMITTAL STD., VENDOR STD., ETC.):						
Physical Description: Hydraulically compressed bundles of used & new tin cans, clippings, skeleton scrap. Size: No more than 24" x 24" x 48" long with individual bundles weighing no more than 4000 pounds (IIFP). Density: 75 pounds per cubic foot minimum. Chemistry: Carbon 0.06%      Copper 0.03% max.      Manganese 0.32%      Sulfur 0.011%      Nickel 0.03% max Moly 0.01% max      Phosphorus 0.011%.      Chromium 0.03% max.      Silicon 0.03%      Tin 0.35% max. Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.						
Special Instructions/Packaging: Bundles may not contain any closed or charged cylinders such as aerosol cans.						
Supplier Controls:      Testing Options: • Visual inspection of each shipment. • Periodic unannounced yard inspections. • Shipments may be subjected to spectrographic analysis for chemical conformance, as required. • Shipment densities will be visually monitored on receipt.						
Disposition of Non-Conforming Material by using Department/Purchasing Reject and return to supplier at his cost.						
Using Departments: 3 SP						
Approvals: George Skoczylas (Steelmaking Op Tech) 7/23/09						
Exclusions: Sealed units or closed containers are specifically excluded. Material will not include the following metallics: Drive train parts      Borings      Rebars      Barrels Electric motors      Rolls      Cast iron      Free copper Scale      Engine blocks      Large appliances (white)      Heavy lubricants Fuel tanks      Ternplate      Wire mesh      Pipe valves Turnings      Tanks/cylinders      High pressure pipe Springs      Filters Material will not include excessive amounts of non-metallics such as: Concrete      Dirt      Hazardous waste      Oils Toxic waste      Wood      Tires      Plastics And any other non-conductor or contaminant not listed above.						
Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.						
REVISIONS #1      09/23/03      revised description from" All new tin steel sheet scrap, clippings, or skeleton scrap. Hydraulically compressed" to "Hydraulically compressed bundles of used & new tin cans, clippings, skeleton scrap." Revised Exclusions to delete "tinplate" #2      04/11/08      revised company name #3      05/28/09      revised format, revised document title and added section for revision history, revised using departments						
Reviewed: 7/23/09 by S. M. Galloway						

<b>Commodity Code</b> 842342	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 05/16/02	<b>Material No.</b> 552.001																																
<b>Inventory Account No.</b> 11304	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 4																																
<b>Material Classification:</b> SCRAP																																				
<b>Name of Material (generic/proprietary):</b> TIN PLATE BUNDLES																																				
<b>Product Characteristic – AIM – TOLERANCE</b> (TRADE ASSOC., ENG. SOCIETY STD., Arcelor Mittal STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> All new tin steel sheet scrap, clippings, or skeleton scrap. Hydraulically compressed. No mandrel wound side trim. <b>Size:</b> No more than 24" x 24" x 48" long with individual bundles weighing no more than 4000 pounds (IIFP). <b>Density:</b> 100 pounds per cubic foot minimum. <b>Chemistry:</b> Carbon 0.06%      Copper 0.06% max.      Manganese 0.32%      Sulfur 0.011%      Nickel 0.03% max Moly 0.01% max      Phosphorus 0.011%.      Chromium 0.03% max.      Silicon 0.03%      Tin 0.35% max. Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.																																				
<b>Special Instructions/Packaging:</b> Bundles may not contain any closed or charged cylinders such as aerosol cans.																																				
<b>Supplier Controls:      Testing Options:</b> <ul style="list-style-type: none"> <li>• Visual inspection of each shipment.</li> <li>• Periodic unannounced yard inspections.</li> <li>• Shipments may be subjected to spectrographic analysis for chemical conformance, as required.</li> <li>• Shipment densities will be visually monitored on receipt.</li> </ul>																																				
<b>Disposition of Non-Conforming Material by using Department/Purchasing</b> Reject and return to supplier at his cost.																																				
<b>Using Departments:</b> 2SP, 3SP, & 4SP																																				
<b>Approvals:</b> George Skoczylas (Steelmaking Op Tech) 7/23/09																																				
<b>Exclusions:</b> Sealed units or closed containers are specifically excluded. Material will not include the following metallics: <table border="0"> <tr> <td>Drive train parts</td> <td>Borings</td> <td>Rebars</td> <td>Barrels</td> </tr> <tr> <td>Electric motors</td> <td>Rolls</td> <td>Cast iron</td> <td>Free copper</td> </tr> <tr> <td>Scale</td> <td>Engine blocks</td> <td>Large appliances (white)</td> <td>Heavy lubricants</td> </tr> <tr> <td>Fuel tanks</td> <td>Ternplate</td> <td>Wire mesh</td> <td>Pipe valves</td> </tr> <tr> <td>Turnings</td> <td>Tanks/cylinders</td> <td>Mandrel wound side trim</td> <td>High pressure pipe</td> </tr> <tr> <td>Springs</td> <td>Filters</td> <td></td> <td></td> </tr> </table> Material will not include non-metallics such as: <table border="0"> <tr> <td>Concrete</td> <td>Dirt</td> <td>Hazardous waste</td> <td>Oils</td> </tr> <tr> <td>Toxic waste</td> <td>Wood</td> <td>Tires</td> <td>Plastics</td> </tr> </table> And any other non-conductor or contaminant not listed above.					Drive train parts	Borings	Rebars	Barrels	Electric motors	Rolls	Cast iron	Free copper	Scale	Engine blocks	Large appliances (white)	Heavy lubricants	Fuel tanks	Ternplate	Wire mesh	Pipe valves	Turnings	Tanks/cylinders	Mandrel wound side trim	High pressure pipe	Springs	Filters			Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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Spectrographic analysis of shipment assays may be performed as required. Rejections will be made based on extreme non-typical analysis.																																				
<b>REVISIONS</b> #1      06/25/02      revised physical description but change not noted. #2      01/29/07      revised company name, revised using department from "#2 BOF/CC & #4 BOF" to "#2 SP & #4 SP", revised exclusion to add "Mandrel wound side trim" #3      04/11/08      revised Density from "75 pounds per cubic foot minimum" to "100 pounds per cubic foot minimum", revised Chemistry on Copper from "0.03%" to "0.06%" #4      05/28/09      revised format, revised document title and added section for revision history  Reviewed: 7/23/09 by S. M. Galloway																																				

<b>Commodity Code</b> 557613	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR FLAT CARBON</b>		<b>Origination Date</b> 01/01/86	<b>Material No.</b> 521.001																																
<b>Inventory Account No.</b> 11316	Data herein contained should NOT be divulged to anyone outside Arcelor Mittal without specific permission from Operating Technology Material and Product quality		<b>Revision Date:</b> 05/28/09	<b>Rev. No.</b> 12																																
<b>Material Classification:</b> SCRAP																																				
Name of Material (generic/proprietary): #1 BALING (CLIPS)																																				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> New production steel scrap free of metal coated, terne plate, detinned, tinned, limed, vitreous enameled and electrical sheet containing over 0.5% silicon. <b>Note:</b> Commonly called "clips". (On the flat side, it may also be purchased as galvanized or painted.) <b>Size:</b> Maximum size 5' x 48" x 1/4" and under in thickness. <b>Density:</b> <b>Chemistry:</b> Carbon 0.09%      Copper 0.04% max.      Manganese 0.37%      Tin 0.01% max      Sulfur 0.011% max Nickel 0.03% max      Phosphorus 0.015%      Moly 0.01% max.      Silicon 0.18%      Chromium .04% max. Purchased scrap shall not contain radioactive, toxic or hazardous materials. All costs associated with the clean-up and handling of such materials shall be borne by the supplier.																																				
<b>Special Instructions/Packaging:</b> Packaging: May contain up to 20% galvanized or painted sheet. Banding shall not comprise over 5% of each load by volume.																																				
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