

Indiana Harbor: Long Carbon Div

#1 Baling Clips

#1 Busheling

#1 EAF Chill Scrap

#1 HMS

#2 Shredded Scrap

DRI

Machine Shop Turnings

Mixed Busheling

P&S

Pig Iron

Pig Iron Substitute

Railroad Heavy Melting Scrap

<b>Commodity Code</b> 557567	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG 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> 8																																
<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.):																																				
<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%      Phosphorus 0.026%      Moly 0.02% max      Silicon 0.24%      Chromium 0.18% 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 stubs are to left on from wheels. Attached axle stubs must be no more than 12" long. Axle pieces must be no longer than 30". Excessive springs will be cause for rejection.																																				
<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.																																				
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Exclusions: 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>Babbitt material</td> <td>Tin bearing or coated</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	Babbitt material	Tin bearing or coated	Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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<b>REVISIONS</b> <table border="0"> <tr> <td>#4</td> <td>06/26/97</td> <td>revised using departments</td> </tr> <tr> <td>#5</td> <td>07/18/02</td> <td>revised using departments</td> </tr> <tr> <td>#6</td> <td>11/19/03</td> <td>revised using departments</td> </tr> <tr> <td>#7</td> <td>04/11/08</td> <td>revised company name and using departments</td> </tr> <tr> <td>#8</td> <td>05/28/09</td> <td>revised format, revised document title and added section for revision history</td> </tr> </table>					#4	06/26/97	revised using departments	#5	07/18/02	revised using departments	#6	11/19/03	revised using departments	#7	04/11/08	revised company name and using departments	#8	05/28/09	revised format, revised document title and added section for revision history																	
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#7	04/11/08	revised company name and using departments																																		
#8	05/28/09	revised format, revised document title and added section for revision history																																		

<b>Commodity Code</b> 557613	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG 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, terneplate, 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.																																				
<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>																																				
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<b>REVISIONS</b>																																				
#9	12/05/00	revised using department, revised description but revision not noted																																		
#10	07/18/02	revised using department																																		
#11	04/11/08	revised company name																																		
#12	05/28/09	revised format, revised document title and added section for revision history, revised using department																																		

Commodity Code	PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON				Origination Date	Material No.
557576	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality				01/01/86	523.001
Inventory Account No. 11303					Revision Date 05/28/09	Rev. No. 11
Material Classification: SCRAP						
Name of Material (generic/proprietary): #1 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.). Size: ¼” maximum thickness; not to be less than 2” or more than 48” in any one dimension excluding punchings. Density: 35 – 45 pounds per cubic foot typical.						
Chemistry:						
Carbon 0.06%      Copper 0.03% max.      Manganese 0.32%      Tin 0.01% max      Sulfur .011% max Nickel .03% max      Phosphorus .011%      Moly .01% max.      Silicon 0.50%      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 greater than 5% by weight, will be cause for rejection.						
Supplier Controls:      Testing Options:						
<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>						
Disposition of Non-Conforming Material by using Department/Purchasing						
Reject and return to supplier at his cost.						
Using Departments: #1 SP						
Approvals:						
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      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.						
REVISIONS						
#8      12/05/00      revised using department, revised description and packaging but revision not noted						
#9      07/18/02      revised using department						
#10      04/11/08      revised company name						
#11      05/28/09      revised format, revised document title and added section for revision history, revised using department						

<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>		<b>Origination Date</b>	<b>Material No.</b>
621952			05/25/93	539.001
<b>Inventory Account No.</b>	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>	<b>Rev. No.</b>
203-4471-44001			05/28/09	5
<b>Material Classification:</b> SCRAP				
<b>Name of Material (generic/proprietary):</b> NO. 1 ELECTRIC FURNACE CHILL SCRAP				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELORMITTAL STD., VENDOR STD., ETC.):				
<b>Physical Description:</b> Carbon steel chill scrap consisting of properly sized rods prepared to our specification. <b>Size:</b> Diameter 5/16" to 3/8". Length: 7" to 9" max. <b>Density:</b> <b>Chemistry:</b>				
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: Material to be packed in 55 gallon drums and placed on sturdy pallets with top and bottom decking with 2" x 4" vertical sides. Palletized material must be loaded on flat bed trailer for side unloading.				
<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> #1 SP				
<b>Approvals:</b>				
<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>				
#2	06/26/97	revised Supplier Controls / Testing Options but revision not noted		
#3	09/24/01	revised using departments		
#4	04/11/08	revised company name		
#5	05/28/09	revised format, revised document title and added section for revision history, revised using department		

Commodity Code	PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON		Origination Date	Material No.
557569	Data herein contained should NOT be divulged to anyone outside the Arcelor Mittal Company without specific permission from Operating Technology Material and Product quality		01/01/86	515.001
Inventory Account No. 11295			Revision Date: 05/28/09	Rev. No. 11
Material Classification: SCRAP				
Name of Material (generic/proprietary): NO. 1 DEALER HEAVY MELTING STEEL (ALSO KNOWN AS #1 STEEL)				
Product Characteristic – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):				
Physical Description: Wrought iron and/or steel scrap originating in a dealer’s yard. Obsolete material will constitute all or part of each load. Size: ¼” to 4” in steel thickness.. Individual pieces not to exceed 2’ x 5’ x 4” in any dimension or weigh more than 1,600 pounds per piece. Density: 45 pounds per cubic foot minimum per shipment. Chemistry: Manganese 0.80%      Copper 0.25% max.      Sulfur 0.045%      Tin 0.02% max      Phosphorus .020% Nickel .10% max      Silicon 0.50%      Chromium .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.				
Special Instructions/packaging: Packaging: Bars, rebar, skeleton plate and gears will not constitute more than 5% of each load by weight. Skeleton plate and bars must meet the chemical requirements of this specification and will be analyzed for conformance.				
Supplier Controls:      Testing Options: <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>				
Disposition of Non-Conforming Material by using Department/Purchasing Reject and return to supplier at his cost.				
Using Departments: #1 SP				
Approvals:				
Exclusions: Sealed units or closed containers whether unprepared or prepared are specifically excluded. Material will not include the following metallics: Drive train parts      Borings      Rebar      Barrels Electric motors      Rolls      Cast iron      Free copper Pipe valves      Turnings      Tanks/cylinders      Tin plate High pressure pipe      Springs      Filters      Wire mesh Scale      Engine blocks      Large appliances white goods      Heavy lubricants Fuel tanks      Terneplate      Die sets      Babbitt Gears  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				
#9	10/24/01	revised using departments		
#10	04/11/08	revised company name; revised Exclusions / Metallics to add “Die Sets, Babbitt”.		
#11	05/28/09	revised format, revised document title and added section for revision history, revised using departments		

<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>				<b>Origination Date</b>	<b>Material No.</b>
557588	Data herein contained should NOT be divulged to anyone outside ArcelorMittal without specific permission from Operating Technology Material and Product quality				01/01/86	531.001
<b>Inventory Account No.</b> 11302					<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.):						
<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. <b>Size:</b> No individual piece will be longer than 1 foot. <b>Density:</b> 65 - 75 lbs/cf minimum typical <b>Chemistry:</b> Copper 0.20%                      Tin 0.01%                      Chromium 0.10%                      Sulfur 0.04%                      Nickel 0.10% Phosphorus 0.04%                      Moly 0.02% 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: ISC only accepts shredded scrap from pre-approved and inspected sources.						
<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> # 1 SP						
<b>Approvals:</b>						
<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                      Tin bearing or coated Material will not include excessive amounts of non-metallics such as: Concrete                      Dirt                      Hazardous waste                      Oils Toxic waste                      Wood                      Tires                      Plastics                      Fluff rubber 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>						
#6	06/26/97	revised Supplier Controls / Testing Options but revision not noted				
#7	09/24/01	revised using departments to add IIBC and IIFP to department names				
#8	09/23/03	revised using department to remove IIBC and IIFP				
#9	04/11/08	revised company name and using department; added "Fluff Rubber" to Exclusion section / non-metallics				
#10	05/28/09	revised format, revised document title and added section for revision history, revised using department				

<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>	<b>Origination Date</b>	<b>Material No.</b>
788149		09/24/01	555.001
<b>Inventory Account No.</b>	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>	<b>Rev. No.</b>
11288		05/28/09	2
<b>Material Classification:</b> SCRAP			
<b>Name of Material (generic/proprietary):</b> DIRECT REDUCED IRON (DRI)			
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):			
<b>Physical Description:</b>			
<b>Size:</b> Pellet material sized 4mm – 15mm			
<b>Density:</b>			
<b>Chemistry:</b>			
Total Fe 92% min. / Metallic Fe 85% min. / Metallization 92% min.			
Carbon 1.5% min                      Phosphorus 0.04% max.                      Sulfur 0.01 max                      Silica 4.0 max                      Alumina 0.6 max			
CaO 0.7 max                      Magnesia 0.3 max                      Trace amounts of Cu, Ni Cr, Mo, Sn			
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> Material must be kept dry and away from sources of heat.			
<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>Using Departments:</b> #1 SP			
<b>Approvals:</b>			
<b>Exclusions:</b>			
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	04/11/08	revised company name	
#2	05/28/09	revised format, revised document title and added section for revision history, revised using department	



<b>Commodity Code</b>	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>		<b>Origination Date</b>	<b>Material No.</b>
798594			04/20/00	553.001
<b>Inventory Account No.</b>	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>	<b>Rev. No.</b>
11323			05/28/09	3
<b>Material Classification:</b> SCRAP				
<b>Name of Material (generic/proprietary):</b> ALLOY FREE-MACHINE SHOP TURNINGS (MST)				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):				
<b>Physical Description:</b> Clean steel turnings, free of lumps, tangled or matted material, iron borings, and excessive oil or cutting fluids containing not more than 10% short shovelings, and free of alloys.				
<b>Size:</b> 10% max. Short shovelings				
<b>Density:</b> 40 pounds per cubic foot minimum per shipment				
<b>Chemistry:</b>				
Copper .15% max.                      Chromium .10% max.                      Nickel .10% max.                      Sulfur .30% max				
Moly. 0.05%                      Phosphorus .050% 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> 10% max short shovelings				
<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> #1 SP				
<b>Approvals:</b>				
<b>Exclusions:</b>				
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	12/05/00	revised using department		
#2	04/11/08	revised company name, revised Physical Description to add "or cutting fluids", revised Chemistry on Copper from ".25%" to ".15%", Chromium from ".17%" to ".10%" and Nickel from ".17%" to ".10%"		
#3	05/28/09	revised format, revised document title and added section for revision history, revised using department		

<b>Commodity Code</b> 557586	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>		<b>Origination Date</b> 05/17/90	<b>Material No.</b> 525.001																																
<b>Inventory Account No.</b> 11299	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> 5																																
<b>Material Classification:</b> SCRAP																																				
<b>Name of Material (generic/proprietary):</b> MIXED BUSHELING SCRAP																																				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELOR MITTAL STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> New production clean steel scrap including new factory busheling (i.e. sheet clippings, stampings, etc.). <b>Size:</b> ¼" maximum thickness; not to be less than 2" or more than 48" in any one dimension, excluding punchings. <b>Density:</b> 35 – 45 pounds per cubic foot typical. <b>Chemistry:</b> Carbon 0.15%      Copper 0.10% max.      Manganese 0.32%      Tin 0.01% max      Sulfur .040% max Nickel .10% max      Phosphorus .035%      Moly .03% max.      Silicon 0.50%      Chromium .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: May not include old autobody or fender stock.. Must be free of metal coated, terneplate, detinned, tinned, limed, vitreous enameled, electrical sheet containing more than 0.5% silicon, or high alloy scrap. Small punchings greater than 5" by weight, will be cause for rejection.																																				
<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>REVISIONS</b>																																				
#3	12/05/00	revised description and packaging but revision not noted																																		
#4	04/11/082	revised company name																																		
#5	05/28/09	revised format, revised document title and added section for revision history, revised using department																																		

Commodity Code	PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON				Origination Date	Material No.																																				
557572	Data herein contained should NOT be divulged to anyone outside the ArcelorMittal without specific permission from Operating Technology Material and Product quality				03/11/87	513.001																																				
Inventory Account No. 11298					Revision Date: 05/28/09	Rev. No. 10																																				
<b>Material Classification:</b> SCRAP																																										
<b>Name of Material (generic/proprietary):</b> PLATE AND STRUCTURAL (ALSO KNOWN AS P & S)																																										
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELORMITTAL STD., VENDOR STD., ETC.):																																										
<b>Physical Description:</b> Cut structural and plate scrap. Could be from the demolition of obsolete buildings, machine structure, towers, etc., or the offal of new manufacturing from plate and structural steel products. <b>Size:</b> ¼" minimum steel thickness. Individual pieces not to exceed 2' x 5' x 4" in any dimension or weigh more than 1,600 pounds per piece. <b>Density:</b> 45 pounds per cubic foot minimum per shipment. <b>Chemistry:</b> Carbon 0.30%      Copper 0.20% max      Manganese 0.65%      Tin 0.01% max      Sulfur 0.040% Nickel 0.07% max      Phos 0.033%      Moly 0.02% max      Silicon 0.34%      Chromium 0.16% 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: Excessive amounts of pipe and tubing greater than 10% in volume will be cause for rejection. Skeleton plate may NOT be included in P&S shipped to Plant 2. Plant 4 application must meet the chemical requirements of this specification. Skeleton plate will be analyzed to insure conformance.																																										
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<b>Approvals:</b> Exclusions: Sealed units (cylinders) or closed containers are specifically excluded. Processed sealed units (cylinders) or closed containers are also specifically excluded. Material will not include the following metallics: <table><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 goods)</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>Skeleton Plate (Plant 2 only)</td><td>Die sets</td></tr><tr><td></td><td></td><td></td><td>Babbitt</td></tr></table> Material will not include non-metallics such as: <table><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 goods)	Heavy lubricants	Fuel tanks	Terneplate	Wire mesh	Pipe valves	Turnings	Tanks/cylinders	Tinplate	High pressure pipe	Springs	Filters	Skeleton Plate (Plant 2 only)	Die sets				Babbitt	Concrete	Dirt	Hazardous waste	Oils	Toxic waste	Wood	Tires	Plastics
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<b>Commodity Code</b> 672980	<b>PURCHASED MATERIALS SPECIFICATION/PRODUCT PARAMETER ARCELORMITTAL INDIANA HARBOR LONG CARBON</b>		<b>Origination Date</b> 09/25/96	<b>Material No.</b> 541.001																																
<b>Inventory Account No.</b> 11216	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> PIG IRON																																				
<b>Product Characteristic</b> – AIM – TOLERANCE (TRADE ASSOC., ENG. SOCIETY STD., ARCELORMITTAL STD., VENDOR STD., ETC.):																																				
<b>Physical Description:</b> Iron ingots (pigs) <b>Size:</b> 80 pounds pigs maximum size <b>Density:</b> <b>Chemistry:</b> Carbon 3.5% - 4.5%    Silicon 1.5% max                      Manganese 1% max                      Phosphorus .075% max                      Sulfur .035% 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.																																				
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<b>Inventory Account No.</b> 11214			<b>Revision Date</b> 05/28/09	<b>Rev. No.</b> 4																																
<b>Material Classification:</b> SCRAP																																				
Name of Material (generic/proprietary): PIG IRON SUBSTITUTE																																				
<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 iron. <b>Size:</b> 1/4" x 8" <b>Density:</b> <b>Chemistry:</b> Min. 85% Fe                      Phosphorus .075% max                      Carbon 3.5% - 4.5%                      Sulfur .050% max                      Silicon 1.5% max Manganese 1% 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.																																				
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#1	06/26/97	revised Supplier Controls / Testing Options but revision not noted																																		
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#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																																		