

Order No. : 01S7113057

PO No. : 01S7113057

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : STEEL PLATE

Customer : MOUNTING RENEWABLE POWER LIMITED

Spec & Type : IS-E350B0/EN-S355J0N

Size	Product No.	Quantity	Weight (kg)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Tensile Test2			Impact Test		Bend Test	U.S.T	Division	Chemical Composition								
							YP (MPa)	TS (%)	EL (%)	YP (MPa)	TS (%)	EL (%)	V Notch +0 °C Energy (Joule)					C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	
17.7x2980x14051	PP60613301-3303	3	17,448	SU30910	KOR	T	399	558	25	393	556	26	1: 62 2: 82 3: 63 A: 69	Good	Good	L P	C	0.1578 0.1558	0.334 0.354	1.413 1.392	0.0138 0.0121	0.0049 0.0036	0.026 0.026	0.009 0.009	1 2	
17.7x2980x14051	PP60614701-4703	3	17,448	SU30910	KOR	M T	388	555	24	393	556	26	1: 81 2: 55 3: 88 A: 75	Good Good	Good	L P	C	0.1578 0.1558	0.334 0.354	1.413 1.392	0.0138 0.0121	0.0049 0.0036	0.026 0.026	0.009 0.009	1 2	
17.7x2980x14051	PP60614601	1	5,816	SU30910	KOR	M T	391	550	27	408	551	29	1: 87 2: 180 3: 86 A: 118	Good Good	Good	L P	C	0.1578 0.1558	0.334 0.354	1.413 1.392	0.0138 0.0121	0.0049 0.0036	0.026 0.026	0.009 0.009	1 2	
17.7x2980x14051	PP60614801-4803	3	17,448	SU30910	KOR	M T	399	558	25	408	551	29	1: 62 2: 82 3: 63 A: 69	Good Good	Good	L P	C	0.1578 0.1558	0.334 0.354	1.413 1.392	0.0138 0.0121	0.0049 0.0036	0.026 0.026	0.009 0.009	1 2	
*** Sub Total (270) ***		18	104,688 (kg)			M											CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5									
*** Heat Treatment ==> Normalizing rolling ***																										
We certified that the material described above fully conforms to IS:2062 : 2011 Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing and Inspection contained in the BIS Certification Marks LicenceNo.CM/L-4039956 are as indicated above against each order No: (PLEASE REFER TO IS 2062 : 2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)																										
*** Lot Total ***		18	104,688 (kg)			Lot No. ==> S3-P10																				

- * Position - T : Top, M : Middle, B : Bottom
- * Tensile Test. Direction : Transversal, Gauge Length : 5.65 $\sqrt{A_0}$. (Rectangular), YP Method : Upper Point
- * Tensile Test2. Direction : Transversal, Gauge Length : 5.65 $\sqrt{A_0}$. (Rectangular), YP Method : Upper Point
- * Impact Test. Direction : Surface Longitudinal, Full-Size : 10 mmX10 mm
- * Bend Test - Direction : Transversal, Angle : 180 °, Bend Ratio : D=2 t
- * U.S.T : Ultrasonic Test.
- * Division - L : Ladle Analysis, P : Products Analysis
- * Supply Condition : As-Rolled unless otherwise Heat Treated.
- * Deoxidation : A, W : Al-Killed. B, R : Rim-Cast. C, V, *Y* : Si+Al-Killed. P, S : Si-Killed

This material has been fully killed and made by basic oxygen process. This material is fine grained steel. This material has been made by vacuum degassing process.
No repair welding was performed to the products, Test Certificate is issued according to ISO 10474/EN 10204 3.1.
We, POSCO, hereby certify that the products specified in the present MTC have been fully processed in South Korea. (Facility and address information is stated below)
We hereby certify that the material herein has been made in accordance with the order and above specification.
Applicable code: IS 2062 : 2011, BIS Certification marks Licence No, CML-4039956

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.

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Surveyor To :

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