

Order No. : 01S3829535

PO No. : 01S3829535

Supplier : HANWHA CORPORATION

Commodity : PLATE

Customer : DUFERCO S.A.

Spec & Type : EN10025-2 S355J2+N

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test			Impact Test	Division	Chemical Composition													
						YP (MPa)	TS (%)	EL (%)	V Notch -20°C Energy (Joule)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	N (ppm)	Nb (%)	Ti (%)	V (%)
60x2500x8000	PP34491902	1	9,420	SU35749	T	365	520	33	1: 245 2: 200 3: 222 A: 222	L	0.1537	0.340	1.382	0.0096	0.0020	0.017	0.007	3	0.011	0.002	48	0.025	0.0125	0.002
										P	0.1519	0.345	1.390	0.0097	0.0019	0.015	0.008	2	0.011	0.002	37	0.025	0.0122	0.002
60x2500x8000	PP34492201	1	9,420	SU35749	T	365	520	33	1: 245 2: 200 3: 222 A: 222	L	0.1537	0.340	1.382	0.0096	0.0020	0.017	0.007	3	0.011	0.002	48	0.025	0.0125	0.002
										P	0.1519	0.345	1.390	0.0097	0.0019	0.015	0.008	2	0.011	0.002	37	0.025	0.0122	0.002
*** Sub Total (410) ***		2	18,840 (kg)																					
*** Heat Treatment ==> Normalizing rolling ***											CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5													
65x2500x8000	PP34491801-1802	2	20,408	SU37011	T	380	521	32	1: 222 2: 236 3: 227 A: 228	L	0.1544	0.357	1.410	0.0089	0.0022	0.014	0.007	3	0.014	0.002	37	0.025	0.0141	0.002
										P	0.1519	0.353	1.400	0.0103	0.0025	0.015	0.008	2	0.013	0.002	35	0.021	0.0138	0.002
*** Sub Total (430) ***		2	20,408 (kg)																					
*** Heat Treatment ==> Normalizing rolling ***											CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5													
*** Lot Total ***		4	39,248 (kg)			Lot No. ==> 2																		
*** Grade Total ***		4	39,248 (kg)																					
*** Grand Total ***		381	1,392,889 (kg)																					

=== Last Item ===

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DEP. QUALIDADE
RECEPÇÃO

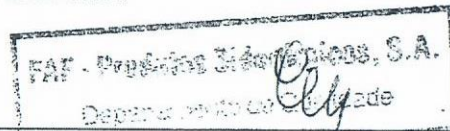
DATA 2020/07/03

RUBRICA

- * Position - T : Top, M : Middle, B : Bottom
- * Tensile Test. Direction : 1/4T Transversal, Gauge Length : 5.65 JA. (Round), YP Method : Upper Point
- * Impact Test. Direction : Surface Longitudinal, Full-Size : 10mmX10mm
- * Division - L : Ladle Analysis, P : Products Analysis
- * Supply Condition : As-Rolled unless otherwise Heat Treated.

We hereby certify that the material herein has been made in accordance with the order and above specification. 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 EN10204 3.1. Melted and Manufactured in Republic of Korea

UT: 04170-20-UT-07



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

CE 0038/CPR/MUM/1210003/1 Surveyor To :

Ko Jae Gon

Order No. : 01S3829535

PO No. : 01S3829535

Supplier : HANWHA CORPORATION

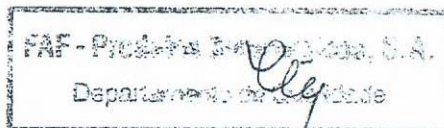
Commodity : PLATE

Customer : DUFERCO S.A.

Spec & Type : EN10025-2 S355J2+N

Product No.	Division	Sol-Al (%)	CEQ (%)		
PP34491902	L P	0.028 0.029	0.39		
PP34492201	L P	0.028 0.029	0.39		
*** Sub Total (410) **				2	18,840 (kg)
					CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5
PP34491801-1802	L P	0.032 0.030	0.39		
*** Sub Total (430) **				2	20,408 (kg)
					CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5
*** Lot Total ***				4	39,248 (kg)
*** Grade Total ***				4	39,248 (kg)
*** Grand Total ***				381	1,392,889 (kg)
					Lot No. ==> 2
					=== Last Item ===

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0038/CPR/MUM/1210003/1

Surveyor To :