

Order No./계약번호 : 01S5974687

PO No./주문번호 : 5066333
(5066333)

Supplier /주요사 : POSCO INTERNATIONAL CORPORATION

Commodity /품명 : HOT ROLLED STEEL PLATE

ORIGINAL

Customer /고객사 : ALPHA STEEL

Spec & Type /규격 : AB/A/ASTM A36

Size/지수	Product No./제품번호	Quantity/수량	Weight/중량 (kg) (lb)	Heat No./제강번호	Country of Melt & Pour	Position	Tensile Test /인장시험		Tensile Test2		Division	Chemical Composition/화학성분																								
							YP (ksi)	TS (%)	EL (%)	YP (ksi)		TS (%)	EL (%)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	Nb (%)	Sn (%)											
0.5"x96"x480"	PB77544701-4705	5	14,815 32,660	SB69151	KOR	T	45.0	66.0	28	45.3	65.8	31	L	0.1661	0.252	0.483	0.0129	0.0054	0.026	0.012	0	0.009	0.003	0.000	0.001	0.1678	0.249	0.478	0.0126	0.0055	0.025	0.012	1	0.010	0.004	0.000
** Specimen No : Tension => PP28045806												CEQ (A) = C + Mn/6																								
*** Sub Total (010) ***																																				
0.5"x120"x480"	PB77376701-6705	5	18,525 40,840	SB68895	KOR	T	46.4	65.4	29	47.4	65.7	32	L	0.1632	0.236	0.503	0.0112	0.0039	0.041	0.009	0	0.009	0.002	0.001	0.002	0.1601	0.242	0.502	0.0113	0.0040	0.040	0.009	0	0.009	0.003	0.000
** Specimen No : Tension => PP28041006												CEQ (A) = C + Mn/6																								
*** Sub Total (020) ***																																				
0.75"x120"x480"	PB77526101-6103	3	16,665 36,738	SB69146	KOR	T	42.9	64.4	30	42.4	64.1	30	L	0.1609	0.252	0.584	0.0139	0.0041	0.025	0.009	0	0.009	0.004	0.001	0.002	0.1652	0.253	0.574	0.0128	0.0047	0.023	0.010	1	0.009	0.003	0.000
** Specimen No : Tension => PP28041603												CEQ (A) = C + Mn/6																								
*** Sub Total (030) ***																																				
0.75"x120"x480"	PB77526301-6303	3	16,665 36,738	SB69146	KOR	T	42.9	64.4	30	42.4	64.1	30	L	0.1609	0.252	0.584	0.0139	0.0041	0.025	0.009	0	0.009	0.004	0.001	0.002	0.1652	0.253	0.574	0.0128	0.0047	0.023	0.010	1	0.009	0.003	0.000
** Specimen No : Tension => PP28046107												CEQ (A) = C + Mn/6																								
*** Sub Total (040) ***																																				
*** Lot Total ***																																				
*** Grade Total ***																																				
*** Grand Total ***																																				

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test Direction : Transversal, Gauge Length : 200 mm (Rectangular),
YP Method : Upper Point
* Tensile Test2 Direction : Transversal, Gauge Length : 200 mm (Rectangular),
YP Method : 0.2 % off-set
* Division - L : Ladle Analysis, P : Products Analysis
* Supply Condition : As-Rolled unless otherwise Heat Treated
* IACS UR W13 applied : Actual Average Thickness ≥ Nominal Thickness

This material has been fully killed and made by basic oxygen process. This material is fine grained steel. No repair welding was performed to the products. Test Certificate is issued according to ISO 10474/EN 10204 3.2. We hereby certify that the material has been made by an approved process in accordance with the rules of AMERICAN BUREAU OF SHIPPING and has been satisfactorily tested in the presence of the Society's representative.



Surveyor To : ABS *[Signature]*



T.C.BAE

Legal sanction can be imposed on forging. Improper use of product can cause safety issues. This Certificate is a (printed) copy of the original electronic document.



Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 230210-FP01PH-0003A1-0001
Date of Issue/발행일자 : Feb., 10, 2023

Order No./계약번호 : 01S5974687

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Customer /고객사 : ALPHA STEEL

Spec & Type /규격 : AB/A/ASTM A36

ORIGINAL

Product No. 제품번호	Division	V (%)	Sol-Al (%)	CEQ (%)	CEQ (A) = C + Mn/6
PB77544701-4705	L	0.001	0.036	0.25	
	P	0.001	0.033		
*** Sub Total (010) ***				5	14,815 (kg) 32,660 (lb)
PB77376701-6705	L	0.000	0.043	0.25	
	P	0.001	0.043		
*** Sub Total (020) ***				5	18,525 (kg) 40,840 (lb)
PB77526101-6103	L	0.002	0.038	0.26	
	P	0.001	0.035		
PB77526301-6303	L	0.002	0.038	0.26	
	P	0.001	0.035		
*** Sub Total (030) ***				6	33,330 (kg) 73,476 (lb)
*** Lot Total ***				16	66,670 (kg) 146,976 (lb)
*** Grade Total ***				16	66,670 (kg) 146,976 (lb)
*** Grand Total ***				16	66,670 (kg) 146,976 (lb)

Lot No. ===> LOT 1

=== Last Item ===

This material has been fully killed and made by basic oxygen process. This material is fine grained steel. No repair welding was performed to the products. Test Certificate is issued according to ISO 10474/EN 10204 3.2. We hereby certify that the material has been made by an approved process in accordance with the rules of AMERICAN BUREAU OF SHIPPING and has been satisfactorily tested in the presence of the Society's representative.



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