



MPDC /End Customer PO No: 91-1065

P/R No./생산의뢰번호: 21L025

Commodity/품명 : SAWL STEEL PIPE

Spec. & Type/규격 : API 5L X52M PSL2(API 5L 46th Edition)

End Customer/고객사 :

Customer/주문자 : SIXGEN Trading Company

Mill Test Certificate / 검사증명서

EN10204 TYPE 3.1

HYUNDAI RB CO., LTD.

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Certificate No./증명서번호: 21L025-01-01

Date of issue/발행일자: 2022.05.20

Dimension / 치수 OD x Th' x Length 외경 x 두께 x 길이	Quantity / 수 개	Weight 중량	Hydrostatic Test 수압시험		Heat No. 제강번호	Tensile Test / 인장시험 ※3						Bend Test / 굽힘시험 ※4	Chemical Composition / 화학성분(%) Unit : 2=x1/100, 3=x1/1 000, 4=x1/10 000, Tr=Trace																		Hardness 경도	CVN Impact Test ※7 충격시험 (32°F)			Shear fracture area 연성파면 면적 (32°F)
						Yield Strength 항복강도	Tensile Strength 인장강도		YR / 항온 %	EL / 연신율 %																			Absorbed energy 흡수 에너지						
							Base Metal	Weld Metal																					a	a		a			
																													Base	HAZ		Weld			
											psi		%		%		※5	2	2	2	3	3	2	2	2	2	2	2	3	3		3	4	3	
Acceptance Criteria / 합격기준					790 ↑	10 ↑	52200~76900	66700~110200	66700 ↑	93 ↓	27 ↑			22 ↓	45 ↓	140 ↓	25 ↓	15 ↓	30 ↓	30 ↓	15 ↓	50 ↓	Nb+Ti+V ≤150			10 ↓	250 ↓	248 ↓	Avg.30 ft-lbf ↑ Ind.23 ft-lbf ↑		※10				
60"x0.500"x40ft	6	34,624	790	10	S19923	64578	78111	79511	83	47	G	H	8	26	136	16	2	3	1	0	3	90			1	160	B:178	1:292	1:311	1:58	1:100				
												P	7	26	133	10	1	2	2	1	4	32	10	41	4	155	H:191	2:288	2:308	2:60	2:100				
												P	8	24	132	11	1	3	1	1	5	33	11	42	3	161	W:198	3:282	3:305	3:42	3:100				
60"x0.500"x40ft	2	11,542	790	10	S19928	64822	78514	79125	83	47	G	H	8	25	135	12	2	2	2	1	4	86			1	155	B:181	1:278	1:311	1:55	1:100				
												P	7	25	133	12	1	2	1	1	3	32	10	42	4	154	H:190	2:289	2:302	2:50	2:100				
												P	7	24	133	10	1	3	3	1	4	32	10	41	4	155	W:201	3:282	3:309	3:49	3:100				
60"x0.500"x40ft	5	28,853	790	10	S19931	64956	78862	79640	82	49	G	H	7	29	144	12	0	3	1	0	4	97			1	153	B:180	1:294	1:312	1:51	1:100				
												P	8	26	135	11	1	3	2	1	5	33	12	43	5	165	H:194	2:275	2:315	2:58	2:100				
												P	8	26	135	11	1	3	2	1	5	33	12	43	5	165	W:200	3:299	3:310	3:48	3:100				
TOTAL →	13	75,019																																	

