

Typical Mechanical Property and Lamination Factor

Grade		Thickness mm (in.)	Tensile Strength (N/mm ²)		Yield Point (N/mm ²)		Elongation (%)		Hardness Hv1	Lamination Factor (%)
POSCO	IS648		L	C	L	C	L	C		
35PN270	35C270	0.35 (0.0138)	467	485	347	361	21	23	190	97.5
35PN300	35C300		456	469	336	351	21	23	188	
35PN360	35C360		450	470	350	366	23	25	170	
35PN440			405	415	273	285	27	29	150	
50PN310	50C310	0.50 (0.0197)	483	505	355	361	25	28	189	98.0
50PN350	50C350		470	489	344	354	25	28	189	
50PN400	50C400		465	482	352	365	27	30	183	
50PN470	50C470		415	420	265	375	34	36	143	
50PN600	50C600		395	405	260	270	37	39	130	
50PN700	50C700		385	395	270	280	38	39	120	
50PN800	50C800		375	385	270	280	39	40	115	
50PN1000	50C1000		370	380	265	275	40	41	113	
50PN1300		350	360	250	260	42	43	105		
65PN470	65C470	0.65 (0.0256)	480	490	300	315	28	29	160	98.0
65PN600	65C600		420	430	295	305	30	31	150	
65PN700	65C700		395	405	275	285	35	37	118	
65PN800	65C800		375	385	270	280	41	43	113	
65PN1000	65C1000		370	380	265	275	43	45	110	
65PN1300			350	360	260	270	45	47	110	

Note: 1. L : Specimens taken longitudinal to the rolling direction C : Specimens taken transverse to the rolling direction
2. Specimens with C-6A coating are used for lamination factor test.