

PRIME TPO(Semi-Hard Type, Random Grade) Product Data Sheet

Properties		Unit	Test Method			Random					
			JIS	ISO	ASTM	E-2910	F-3910	E-2710	J-5710	E-2740	F-3740
Melt mass-flow rate		g/10min	K 7210:99	1133:97		2.8	4.5	2.8	8.0	2.8	4.5
Tensile properties	Tensile Strength at Yield	MPa	K 7162:94	527-2:93		17	16.5	12	11	8.5	8.5
	Tensile strength at Break	MPa				22	21	18	17	14.5	14.5
	Elongation at Break	%				500<	500<	500<	500<	500<	500<
Flexural Properties	Flexural Strength	MPa	K 7171:94	178:93		17	16.5	11.5	10	6.5	6.5
	Flexural Modulus	MPa				430	410	240	220	150	150
Izod Impact Strength	23	kJ/m ²	K 7110	180:93 (MOD)		15	15	NB	NB	NB	NB
Shore Hardness		D scale			D2240:95	64	64	58	58	52	52
Film Properties	Thickness	μ	prime method			80	80	80	80	80	80
	Tensile Modulus	MPa	Z 1702			430/430	430/430	280/280	280/280	190/190	190/190
	Tensile Strength at Break	MPa				39/39	39/39	33/33	33/33	29/29	29/29
	Elongation at Break	%				500</500<	500</500<	500</500<	500</500<	500</500<	500</500<
	Haze(all)	%	K 7105			9	6	13	2	7	5.5
	Haze(internal)	%				0.6	0.5	0.6	0.4	0.6	0.6

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