

PHYSICAL PROPERTIES OF PARAPET

Property	Test Method		Condition	Unit	GR-00100
	ISO No.	JIS No.			General
Optical					
Light transmission	ISO 13468-1	JIS K7361-1	3mm	%	91≤
Haze	ISO 14782	JIS 7136	3mm	%	≤1.8
Refractive Index Nd	ISO 489	JIS K7142	nd	—	1.49
Mechanical					
Tensile modulus	ISO 527-2	JIS K7162	1A/1	MPa	1700
Tensile strength at break	ISO 527-2	JIS K7162	1A/5	MPa	40
Tensile strain at break	ISO 527-2	JIS K7162	1A/5	%	60
Flexural modulus	ISO 178	JIS K7171	—	MPa	1800
Flexural stress at break	ISO 178	JIS K7171	—	MPa	62
Charpy impact strength/unnotched	ISO 179	JIS K7111	1eU	KJ/m ²	91
/notched	ISO 179	JIS K7111	1eA	KJ/m ²	6.5
Rockwell hardness	ISO 2039-2	JIS K7202	Mscale	—	44
Thermal					
Deflection temperature under load/annealed	ISO 75-2	JIS K7191	1.80MPa	℃	83
Vicat softening point	ISO 306	JIS K7206	B50	℃	90
MFR	ISO 1133	JIS K7210	230℃ 37.3N	g/10min	1.5
Specific heat	—	JIS K7123	—	J (g·℃)	1.5
Coefficient of linear expansion	—	JIS K7197	—	1/℃	11×10 ^{−5}
Thermal conductivity	—	JIS KA1412	—	W/ (m·℃)	0.2
Electrical					
Surface resistivity	—	JIS K6911	—	Ω	>10 ¹⁶
Volume resistivity	—	JIS K6911	—	Ωm	>10 ¹³
Dielectric breakdown strength	—	JIS K6911	4kV/sec	MV/m	20
Dielectric onstant	—	JIS K6911	60Hz	—	4
Other					
Density	ISO 1183	JIS K7112	—	g/m ³	1.16
Water absorption at 23℃	ISO 62,method 1	—	24hr	%	0.3
Molding shrinkage	ISO 294-4	JIS K7152-4	—	%	0.4~0.8
Flammability	UL94	—	—	class	HB
Burning velcity	—	JIS K6911	—	cm/min	3

These are typical values and should not be used to set specifications.