



## PHYSICAL PROPERTIES OF PARAPET

Property	Test Method		Condition	Unit	GF High Flow
	ISO No,	JIS No,			
<i>Optical</i>					
Light transmission	ISO 13468-1	JIS K7361-1	3mm	%	92<
Haze	ISO 14782	JIS K7136	3mm	%	<0.3
Reflective Index Nd	ISO 489	JIS K7142	nd	-	1.49
<i>Mechanical</i>					
Tensile modulus	ISO 527-2	JIS K7162	1A/1	MPa	3300
Tensile strength at break	ISO 527-2	JIS K7162	1A/5	MPa	67
Tensile strain at break	ISO 527-2	JIS K7162	1A/5	%	3
Flexual modulus	ISO 178	JIS K7171		MPa	3300
Flexual stress at break	ISO 178	JIS K7171		MPa	108
Charpy impact strength					
unnotched	ISO 179	JIS K7111	1eU	kJ/m <sup>2</sup>	19
notched	ISO 179	JIS K7111	1eA	kJ/m <sup>2</sup>	1.3
Rockwell hardness	ISO 2039-2	JIS K7202	M scale		94
<i>Thermal</i>					
Temperature of deflection under load (1.8Mpa)					
annealed	ISO 75-2	JIS K7191	1.82MPa	°C	86
Vicat softening point	ISO 306	-	B50	°C	92
MFR	ISO 1133	-	230 °C 37.3N	g/10min	15
<i>Electrical</i>					
Surface resistivity		JIS K6911		Ω	>10 <sup>16</sup>
Volume resistivity		JIS K6911		Ωm	>10 <sup>13</sup>
Dielectric strength		JIS K6911	4kV/sec	MV/m	20
Dielectric constant		JIS K6911	60Hz	-	4
<i>Other</i>					
Density	ISO 1183	JIS K7112		g/m <sup>3</sup>	1.19
Water absorption at 23 °C	ISO 62,method 1	-	24 hr	%	0.3
Shrinkage of moldings	ISO 8328	-		%	0.2~0.6
Flammability	UL 94			class	HB

NB.: Values reported are typical and should not be used for specification purpose.