

Property	Test Condition	Test Method ISO	Units	GF+Mineral filler reinforced	
				High filler, Low warpage	
				A310M	
				>PPS-GF+MD70<	
<b>Physical property</b>					
Water Absorption	24hrs. in 23°C water	ISO62	%	0.02	
Density	23°C	ISO1183	kg/m <sup>3</sup>	2060	
Color				Natural/Black	
<b>Mechanical property</b>					
Tensile strength	23°C	ISO527-1,2	MPa	115	
Elongation at Break	23°C	ISO527-1,2	%	0.8	
Flexural Strength	23°C	ISO178	MPa	200	
Flexural Modulus	23°C	ISO178	GPa	22	
Coefficient of friction	Vs metal	-	-	0.3	
Shear Strength	23°C	JIS K7214	MPa	60	
Rockwell Hardness		ISO2039-2	R Scale	123	
Taper Abrasion		ISO9352	mg/1000times	70	
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>	7	
Charpy Impact Strength (Unnotched)	23°C	ISO179	kJ/m <sup>2</sup>	16	
<b>Heat property</b>					
Melting Point		ISO11357-3	°C	278	
Coef of Linear Thermal Expansion	Machine Direction	ISO11359-2	×10 <sup>-5</sup> /K	1.9	
Coef of Linear Thermal Expansion	Transverse Direction	ISO11359-2	×10 <sup>-5</sup> /K	2	
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C	260	
Flammability		UL94	rank/thickness m mt	V-0 (0.36mmt)	
<b>Electrical property</b>					
Volume Resistivity		IEC60093	Ω · m	10 <sup>14</sup>	
Dielectric Strength		IEC60243-1	MV/m	22	
Dielectric Constant	23°C, 60%RH, 1MHz	IEC 60250	-	5	
Dissipation Factor	23°C, 60%RH, 1MHz	IEC 60250	-	0.002	
<b>Molding property</b>					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2	
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.5	
Bar Flow	320°C,98MPa,1mmt	Toray Method	×10 <sup>-3</sup> m	90	

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.