

Property	Test Condition	Test Method ISO	Units	GF+Mineral filler reinforced	
				High filler, Dimentional stability, Low flash	
				A390M65	
				>PPS-PPE-GF+MD65<	
Physical property					
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.02	
Density	23℃	ISO1183	kg/m ³	1990	
Color				Black	
Mechanical property					
Tensile strength	23℃	ISO527-1,2	MPa	105	
Elongation at Break	23℃	ISO527-1,2	%	0.9	
Flexural Strength	23℃	ISO178	MPa	210	
Flexural Modulus	23℃	ISO178	GPa	19.5	
Coefficient of friction	Vs metal	-	-	0.3	
Shear Strength	23℃	JIS K7214	MPa	60	
Rockwell Hardness		ISO2039-2	R Scale	122	
Taper Abrasion		ISO9352	mg/1000times	70	
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	7	
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	17	
Heat property					
Melting Point		ISO11357-3	℃	278	
Coef of Linear Thermal Expansion	Machine Direction	ISO11359-2	×10 ⁻⁵ /K	1.9	
Coef of Linear Thermal Expansion	Transverse Direction	ISO11359-2	×10 ⁻⁵ /K	2.5	
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	260	
Flammability		UL94	rank/thickness m mt	V-0 (0.72mmt)	
Electrical property					
Volume Resistivity		IEC60093	Ω · m	10 ¹⁴	
Dielectric Strength		IEC60243-1	MV/m	21	
Dielectric Constant	23℃、60%RH、1MHz	IEC 60250	-	5.3	
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	0.002	
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.25	
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.5	
Bar Flow	320℃,98MPa,1mmt	Toray Method	×10 ⁻³ m	80	

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

