

Property	Test Condition	Test Method ISO	Units	Special purpose	
				CTI rank 0	
				A660MB	
				>PPS-I-GF+MD65<	
Physical property					
Water Absorption	24hrs. in 23℃ water	ISO 62	%	0.02	
Density	23℃	ISO 1183	kg/m ³	1840	
Color				Black	
Mechanical property					
Tensile strength	23℃	ISO 527-1,2	MPa	85	
Elongation at Break	23℃	ISO 527-1,2	%	0.7	
Flexural Strength	23℃	ISO 178	MPa	145	
Flexural Modulus	23℃	ISO 178	GPa	18	
Coefficient of friction	Vs metal	-	-	0.2	
Shear Strength	23℃	JIS K7214	MPa	50	
Rockwell Hardness		ISO 2039-2	R Scale	123	
Taper Abrasion		ISO 9352	mg/1000times	100	
Charpy Impact Strength (V-notched)	23℃	ISO 179	kJ/m ²	4	
Charpy Impact Strength (Unnotched)	23℃	ISO 179	kJ/m ²	13	
Heat property					
Melting Point		ISO 11357-3	℃	278	
Coef of Linear Thermal Expansion	Machine Direction	ISO 11359-2	×10 ⁻⁵ /K	2	
Coef of Linear Thermal Expansion	Transverse Direction	ISO 11359-2	×10 ⁻⁵ /K	2.8	
Heat Deflection Temp High Load	1.80MPa	ISO 75-1,2	℃	260	
Flammability		UL94	rank/thickness m mt	V-0 (0.38mmt)	
Electrical property					
Volume Resistivity		IEC 60093	Ω · m	10 ¹⁴	
Dielectric Strength		IEC 60243-1	MV/m	22	
Dielectric Constant	23℃、60% RH、1MHz	IEC 60250	-	5.1	
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	%	0.6	
Bar Flow	320℃,98MPa,1mmt	Toray Method	×10 ⁻³ m	100	

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

