

Property	Test Condition	Test Method ISO	Units	Reinforced
				High impact, Heat cycle resistance, GF30%
				5107G
				>PBT-I-GF30<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO 62	%	0.08
Density	23℃	ISO 1183	kg/m ³	1490
Mechanical property				
Tensile strength	23℃	ISO 527-1,2	MPa	125
Elongation at Break	23℃	ISO 527-1,2	%	3
Tensile Modulus	23℃	ISO 527-1,2	GPa	8.4
Flexural Strength	23℃	ISO 178	MPa	195
Flexural Modulus	23℃	ISO 178	GPa	7.9
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-	-
Coefficient of friction	Vs metal	-	-	-
Rockwell Hardness	23℃	ISO 2039-2	R Scale	-
Charpy Impact Strength (V-notched)	23℃	ISO 179	kJ/m ²	12
Charpy Impact Strength (Unnotched)	23℃	ISO 179	kJ/m ²	-
Heat property				
Coef of Linear Thermal Expansion	-30~100℃	ISO 11359-2	×10 ⁻⁵ /℃	4.2
Heat Deflection Temp Low Load	0.45MPa	ISO 75-1,2	℃	-
Heat Deflection Temp High Load	1.82MPa	ISO 75-1,2	℃	208
Flammability		UL94	rank/thickness mmt	HBEquivalent
Electrical property				
Volume Resistivity		IEC 60093	Ω · m	-
Dielectric Strength		IEC 60243-1	MV/m	-
Dielectric Constant	23℃、60% RH、50Hz	IEC 60250	-	-
Dielectric Constant	23℃、60% RH、1KHz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、50Hz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1MHz	IEC 60250	-	-
Arc resistance	W electrode	IEC 60950	sec	-
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.4
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	1
Bar Flow	250℃,93MPa,1mmt	Toray Method	×10 ⁻³ m	70

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

