

Property	Test Condition	Test Method ISO	Units	Reinforced
				Low warpage, Low specific gravity, GF30%
				7151G30
				>PBT+P-GF30<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.07
Density	23℃	ISO1183	kg/m ³	1420
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	130
Elongation at Break	23℃	ISO527-1,2	%	1.6
Tensile Modulus	23℃	ISO527-1,2	GPa	-
Flexural Strength	23℃	ISO178	MPa	190
Flexural Modulus	23℃	ISO178	GPa	9.5
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-	-
Coefficient of friction	Vs metal	-	-	-
Rockwell Hardness	23℃	ISO2039-2	R Scale	-
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	6.5
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	-
Heat property				
Coef of Linear Thermal Expansion	-30~100℃	ISO11359-2	×10 ⁻⁵ /℃	4.1
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	210
Heat Deflection Temp High Load	1.82MPa	ISO75-1,2	℃	170
Flammability		UL94	rank/thickness mmt	HB (1/32")
Electrical property				
Volume Resistivity		IEC60093	Ω · m	3×10 ¹⁴
Dielectric Strength		IEC60243-1	MV/m	15
Dielectric Constant	23℃、60% RH、50Hz	IEC 60250	-	-
Dielectric Constant	23℃、60% RH、1MHz	IEC 60250	-	3.9
Dissipation Factor	23℃、60% RH、50Hz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1MHz	IEC 60250	-	0.01
CTI		UL 746A	UL Index	-
Arc resistance	W electrode	IEC60950	sec	-
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.7
Bar Flow	250℃,93MPa,1mmt	Toray Method	×10 ⁻³ m	120

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

