

Property	Test Condition	Test Method ISO	Units	Reinforced
				Low warpage, Low specific gravity, GF30%
				7151G-X01
				>PBT+P-GF30<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.09
Density	23℃	ISO1183	kg/m ³	1390
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	135
Elongation at Break	23℃	ISO527-1,2	%	2.2
Tensile Modulus	23℃	ISO527-1,2	GPa	10
Flexural Strength	23℃	ISO178	MPa	190
Flexural Modulus	23℃	ISO178	GPa	10
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	9.5
Heat property				
Coef of Linear Thermal Expansion	-30~100℃	ISO11359-2	×10 ⁻⁵ /℃	4.2
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	209
Heat Deflection Temp High Load	1.82MPa	ISO75-1,2	℃	163
Flammability		UL94	rank/thickness mmt	HBEquivalent
Electrical property				
Volume Resistivity		IEC60093	Ω · m	3×10 ¹⁴
Dielectric Strength		IEC60243-1	MV/m	16
Dielectric Constant	23℃、60%RH、1KHz	IEC 60250	-	3.8
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	0.01
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.5

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