Property	Test Condition	Test Method ISO	Units	Reinforced Low warpage, (GF+GS)40% 1151W X01 >PBT+P-(GF+GS)40<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.08
Density	23℃	ISO1183	kg/m^3	1580
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	110
Elongation at Break	23℃	ISO527-1,2	%	3
Tensile Modulus	23℃	ISO527-1,2	GPa	10.5
Flexural Strength	23℃	ISO178	MPa	183
Flexural Modulus	23℃	ISO178	GPa	10
Coefficient of friction（Without lubrication）	Vs metal	Suzuki Method	-	0.15
Coefficient of friction	Vs metal	-	-	0.19
Rockwell Hardness	23℃	ISO2039-2	R Scale	M65
Charpy Impact Strength（V-notched）	23℃	ISO179	kJ/m^2	8
Charpy Impact Strength（Unnotched）	23℃	ISO179	kJ/m^2	55
Heat property				
Coef of Linear Thermal Expansion	-30～100℃	ISO11359-2	$\times10^{-5}$/℃	3.8
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	220
Heat Deflection Temp High Load	1.82MPa	ISO75-1,2	℃	205
Flammability		UL94	rank/thickness m mt	HBEquivarent
Electrical property				
Volume Resistivity		IEC60093	Ω・m	$4x10^{14}$
Dielectric Strength		IEC60243-1	MV/m	19
Dielectric Constant	23℃、60%RH、50Hz	IEC 60250	-	3.5
Dielectric Constant	23℃、60%RH、1KHz	IEC 60250	-	3.5
Dissipation Factor	23℃、60%RH、50Hz	IEC 60250	-	0.002
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	0.02
Arc resistance	W electrode	IEC60950	sec	120
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.3
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.7
Bar Flow	250℃,93MPa,1mmt	Toray Method	$\times10^{-3}$m	85

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