

Property	Test Condition	Test Method ISO	Units	Non-halogen, Flame retardant reinforced
				GF15%、V-0
				EC44G-15
				>PBT-P-GF15 FR(40)<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO 62	%	0.07
Density	23℃	ISO 1183	kg/m ³	1480
Mechanical property				
Tensile strength	23℃	ISO 527-1,2	MPa	90
Elongation at Break	23℃	ISO 527-1,2	%	1.7
Tensile Modulus	23℃	ISO 527-1,2	GPa	-
Flexural Strength	23℃	ISO 178	MPa	140
Flexural Modulus	23℃	ISO 178	GPa	5.6
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	-
Charpy Impact Strength (Unnotched)	23℃	ISO 179	kJ/m ²	-
Heat property				
Coef of Linear Thermal Expansion	-30~100℃	ISO 11359-2	×10 ⁻⁵ /℃	-
Heat Deflection Temp Low Load	0.45MPa	ISO 75-1,2	℃	220
Heat Deflection Temp High Load	1.82MPa	ISO 75-1,2	℃	192
Flammability		UL94	rank/thickness m mt	V0(1/32")
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.5
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	1
Bar Flow	250℃,93MPa,1mmt	Toray Method	×10 ⁻³ m	130

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

