

Property	Test Condition	Test Method ISO	Units	Unreinforced
				High imapct
				8207X01
				>PBT+PC-I<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO 62	%	0.08
Density	23℃	ISO 1183	kg/m ³	1220
Mechanical property				
Tensile strength	23℃	ISO 527-1,2	MPa	62
Elongation at Break	23℃	ISO 527-1,2	%	101
Tensile Modulus	23℃	ISO 527-1,2	GPa	-
Flexural Strength	23℃	ISO 178	MPa	93
Flexural Modulus	23℃	ISO 178	GPa	2.3
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	46
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	℃	-
Heat Deflection Temp High Load	1.82MPa	ISO 75-1,2	℃	-
Flammability		UL94	rank/thickness m mt	HB equivalent
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、1MHz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、50Hz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1MHz	IEC 60250	-	-
CTI		UL 746A	UL Index	-
Arc resistance	W electrode	IEC 60950	sec	-
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	-
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	-
Bar Flow	250℃,93MPa,1mmt	Toray Method	×10 ⁻³ m	-

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

