

Property	Test Condition	Test Method ISO	Units	Unreinforced	
				Standard	
				1401X34	
				>PBT<	
<b>Physical property</b>					
Water Absorption	24hrs. in 23°C water	ISO62	%		0.08
Density	23°C	ISO1183	kg/m <sup>3</sup>		1310
<b>Mechanical property</b>					
Tensile strength	23°C	ISO527-1,2	MPa		55
Elongation at Break	23°C	ISO527-1,2	%		80
Tensile Modulus	23°C	ISO527-1,2	GPa		-
Flexural Strength	23°C	ISO178	MPa		87
Flexural Modulus	23°C	ISO178	GPa		2.5
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-		-
Coefficient of friction	Vs metal	-	-		-
Rockwell Hardness	23°C	ISO2039-2	R Scale		M77
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>		4.8
Charpy Impact Strength (Unnotched)	23°C	ISO179	kJ/m <sup>2</sup>		-
<b>Heat property</b>					
Coef of Linear Thermal Expansion	-30~100°C	ISO11359-2	×10 <sup>-5</sup> /°C		11
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	°C		150
Heat Deflection Temp High Load	1.82MPa	ISO75-1,2	°C		60
Flammability		UL94	rank/thickness m mt		HB (1/32")
<b>Electrical property</b>					
Volume Resistivity		IEC60093	Ω · m		8×10 <sup>14</sup>
Dielectric Strength		IEC60243-1	MV/m		17
Dielectric Constant	23°C, 60%RH, 50Hz	IEC 60250	-		3.3
Dielectric Constant	23°C, 60%RH, 1MHz	IEC 60250	-		3.3
Dissipation Factor	23°C, 60%RH, 50Hz	IEC 60250	-		0.0020
Dissipation Factor	23°C, 60%RH, 1MHz	IEC 60250	-		0.02
Arc resistance	W electrode	IEC60950	sec		144
<b>Molding property</b>					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%		2.1
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%		2.3
Bar Flow	250°C,93MPa,1mmt	Toray Method	×10 <sup>-3</sup> m		-

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

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