

Property	Test Condition	Test Method ISO	Units	Unreinforced	
				High impact, Low warpage	
				VX10	
				>PBT+ABS<	
Physical property					
Density	23℃	ISO1183	kg/m ³	1135	
Mechanical property					
Tensile strength	23℃	ISO527-1,2	MPa	46	
Elongation at Break	23℃	ISO527-1,2	%	34	
Tensile Modulus	23℃	ISO527-1,2	GPa	2.2	
Flexural Strength	23℃	ISO178	MPa	66	
Flexural Modulus	23℃	ISO178	GPa	2.1	
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-	-	
Coefficient of friction	Vs metal	-	-	-	
Rockwell Hardness	23℃	ISO2039-2	R Scale	-	
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	43	
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	-	
Heat property					
Coef of Linear Thermal Expansion	-30~100℃	ISO11359-2	×10 ⁻⁵ /℃	-	
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	-	
Heat Deflection Temp High Load	1.82MPa	ISO75-1,2	℃	-	
Flammability		UL94	rank/thickness m mt	HBEquivalent	
Electrical property					
Volume Resistivity		IEC60093	Ω · m	-	
Dielectric Strength		IEC60243-1	MV/m	-	
Dielectric Constant	23℃、60%RH、50Hz	IEC 60250	-	-	
Dielectric Constant	23℃、60%RH、1KHz	IEC 60250	-	-	
Dissipation Factor	23℃、60%RH、50Hz	IEC 60250	-	-	
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	-	
Arc resistance	W electrode	IEC60950	sec	-	
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	1.1	
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	1.2	
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.

COPYRIGHT © TORAY INDUSTRIES,INC

