

Property	Test Condition	Test Method ISO	Units	Special purpose
				Blow moldability
				B671MX01
				>PPS-I-GF15<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.02
Density	23℃	ISO1183	kg/m ³	1300
Color				Black
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	85
Elongation at Break	23℃	ISO527-1,2	%	3.5
Flexural Strength	23℃	ISO178	MPa	140
Flexural Modulus	23℃	ISO178	GPa	4.5
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	-
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	60
Heat property				
Melting Point		ISO11357-3	℃	278
Coef of Linear Thermal Expansion	Machine Direction	ISO11359-2	×10 ⁻⁵ /K	-
Coef of Linear Thermal Expansion	Transverse Direction	ISO11359-2	×10 ⁻⁵ /K	-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	190
Flammability		UL94	rank/thickness m mt	-
Electrical property				
Volume Resistivity		IEC60093	Ω · m	10 ¹⁴
Dielectric Strength		IEC60243-1	MV/m	-
Dielectric Constant	23℃、60% RH、1MHz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1MHz	IEC 60250	-	-
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.5
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	1.1
Bar Flow	320℃,98MPa,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.

