Property	Test Condition	Test Method ISO	Units	GF reinforced GF40%, Low flash A504X95 >PPS-GF40<
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.02
Density	23℃	ISO1183	kg/m^3	1660
Color				Natural/Black
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	200
Elongation at Break	23℃	ISO527-1,2	%	1.6
Flexural Strength	23℃	ISO178	MPa	290
Flexural Modulus	23℃	ISO178	GPa	15.5
Coefficient of friction	Vs metal	-	-	0.25
Shear Strength	23℃	JIS K7214	MPa	75
Rockwell Hardness		ISO2039-2	R Scale	122
Taper Abrasion		ISO9352	mg/1000times	50
Charpy Impact Strength（V-notched）	23℃	ISO179	kJ/m^2	11
Charpy Impact Strength（Unnotched）	23℃	ISO179	kJ/m^2	45
Heat property				
Melting Point		ISO11357-3	℃	278
Coef of Linear Thermal Expansion	Machine Direction	ISO11359-2	$\times 10^{-5}/K$	2.3
Coef of Linear Thermal Expansion	Transverse Direction	ISO11359-2	$\times 10^{-5}/K$	3.1
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	260
Flammability		UL94	rank/thickness mmt	V-0（0.28mmt）
Electrical property				
Volume Resistivity		IEC60093	Ω・m	10^{14}
Dielectric Strength		IEC60243-1	MV/m	25
Dielectric Constant	23℃、60%RH、1MHz	IEC 60250	-	3.6
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	0.002
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.8
Bar Flow	320℃,98MPa,1mmt	Toray Method	$\times 10^{-3}m$	150

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