

PPS TS101

PPS-(GF+MX)

Toyobo Co., Ltd.

Product Texts

A grade glass fiber-/mineral-reinforced, having an especially high mineral content.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0013	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	26490	MPa	ASTM D 638
Tensile Strength	127	MPa	ASTM D 638
Flexural Modulus	21580	MPa	ASTM D 790
Flexural Strength	193	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	54	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	14	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	32	E-6/K	ASTM D 696
DTUL @ 264 psi	260	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	275	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	11	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.0083	-	ASTM D 150
Dielectric Constant, 1 MHz	5.3	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	182	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	2090	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

North America, Europe, Asia Pacific