

PPS TS201

PPS-(GF+MX)

Toyobo Co., Ltd.

Product Texts

A good Replacement for metallic Materials.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0045	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	21580	MPa	ASTM D 638
Tensile Strength	170	MPa	ASTM D 638
Flexural Modulus	18640	MPa	ASTM D 790
Flexural Strength	234	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	67.7	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	12	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	48	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	215	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	11	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.0085	-	ASTM D 150
Dielectric Constant, 1 MHz	4.5	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	137	s	ASTM D 495

Other properties

	Value	Unit	Test Standard
Density	1960	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

North America, Europe, Asia Pacific