

**PPS TS201HS**

PPS-(GF+MX)

Toyobo Co., Ltd.

**Product Texts**

GF 40%

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
Tensile Modulus	22560	MPa	ASTM D 638
Tensile Strength	197	MPa	ASTM D 638
Flexural Modulus	20600	MPa	ASTM D 790
Flexural Strength	260	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	76.5	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ISO Data</b>			
Comparative tracking index	225	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	11	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.0085	-	ASTM D 150
Dielectric Constant, 1 MHz	4.3	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	173	s	ASTM D 495

**Other properties**

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

**Characteristics****Special Characteristics**

Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific