

PPS TS401

PPS-GF40

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.009	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	13730	MPa	ASTM D 638
Tensile Strength	184	MPa	ASTM D 638
Flexural Modulus	12750	MPa	ASTM D 790
Flexural Strength	235	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
Izod Impact notched, 1/8 in	84.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	8	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	63	E-6/K	ASTM D 696
DTUL @ 264 psi	260	°C	ASTM D 648
Electrical properties			
ISO Data			
Comparative tracking index	125	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	12	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.0014	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	104	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.03	%	ASTM D 570
Density	1650	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

North America, Europe, Asia Pacific

Applications

General Purpose