

DIC-PPS FZ-8600

PPS-(GF+MX)

DIC Trading (USA) Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	12500	MPa	ASTM D 638
Tensile Strength	100	MPa	ASTM D 638
Elongation at Break	1.1	%	ASTM D 638
Compressive Strength	150	MPa	ASTM D 695
Flexural Modulus	12000	MPa	ASTM D 790
Flexural Strength	140	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	50	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	240	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	18	E-6/K	ASTM D 696
DTUL @ 264 psi	260	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	16	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.006	-	ASTM D 150
Dielectric Constant, 1 MHz	5	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	160	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1900	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Regional Availability

North America, Europe, Asia Pacific

Applications

Electrical and Electronical