

DIC-PPS FZ-1140-R5

PPS-GF40

DIC Trading (USA) Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	15000	MPa	ASTM D 638
Tensile Strength	180	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Compressive Strength	200	MPa	ASTM D 695
Flexural Modulus	13500	MPa	ASTM D 790
Flexural Strength	260	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	600	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.4	mm	-
Coefficient of Thermal Expansion, MD	22	E-6/K	ASTM D 696
DTUL @ 264 psi	265	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	16	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	125	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1660	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black, Natural Color

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

Hydrolytically Stable