DIC-PPS FZ-820

PPS-GF

DIC Trading (USA) Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	**0.0032**	mm/mm	ASTM D 955
Mold Shrinkage, TD	**0.012**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**7500**	MPa	ASTM D 638
Tensile Strength	**135**	MPa	ASTM D 638
Elongation at Break	**2.1**	%	ASTM D 638
Compressive Strength	**170**	MPa	ASTM D 695
Flexural Modulus	**6600**	MPa	ASTM D 790
Flexural Strength	**180**	MPa	ASTM D 790
Rockwell Hardness	**R 118**	-	ASTM D 785
Izod Impact notched, 1/8 in	**100**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**650**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	**35**	E-6/K	ASTM D 696
DTUL @ 264 psi	**230**	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**24**	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	**120**	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.02**	%	ASTM D 570
Density	**1420**	kg/m³	ASTM D 792

Characteristics

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific

Features

Good Adhesion

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