

DIC-PPS Z-200-E5

PPS

DIC Trading (USA) Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.013	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.015	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	3100	MPa	ASTM D 638
Tensile Strength	70	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Compressive Strength	100	MPa	ASTM D 695
Flexural Modulus	2900	MPa	ASTM D 790
Flexural Strength	110	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2000	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 66 psi	160	°C	ASTM D 648
DTUL @ 264 psi	105	°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	3.4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.03	%	ASTM D 570
Density	1320	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific