

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.013	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0135	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Modulus	2950 / 1100	MPa	ASTM D 638
Tensile Strength	85 / 45	MPa	ASTM D 638
Flexural Modulus	2900 / 1000	MPa	ASTM D 790
Flexural Strength	115 / 40	MPa	ASTM D 790
Rockwell Hardness	R 120 / R105	-	ASTM D 785
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	222	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.4 / -	-	ASTM D 150
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.7	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Characteristics

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

North America, Asia Pacific