

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Modulus	8600	MPa	ASTM D 638
Tensile Strength	150	MPa	ASTM D 638
Flexural Modulus	7500	MPa	ASTM D 790
Flexural Strength	210	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	50	E-6/K	ASTM D 696
DTUL @ 66 psi	205	°C	ASTM D 648
DTUL @ 264 psi	195	°C	ASTM D 648
Melting Temperature	222	°C	ASTM D 3418
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Dielectric Constant, 1 MHz	3.5	-	ASTM D 150
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	1.1	%	ASTM D 570
Density	1540	kg/m ³	ASTM D 792

Characteristics

Additives

Release agent

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Asia Pacific