

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0085	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0105	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Modulus	6100 / 2900	MPa	ASTM D 638
Tensile Strength	120 / 70	MPa	ASTM D 638
Flexural Modulus	4800 / 2800	MPa	ASTM D 790
Flexural Strength	170 / -	MPa	ASTM D 790
Rockwell Hardness	R 120 / R 115	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	42	E-6/K	ASTM D 696
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	205	°C	ASTM D 648
Melting Temperature	222	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	22 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8 / -	-	ASTM D 150
Volume Resistivity	22 / -	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.15	%	ASTM D 570
Density	1230	kg/m ³	ASTM D 792

Characteristics

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Asia Pacific