

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0195	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	60 / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / 10	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	3700 / 2200	MPa	ASTM D 638
Tensile Strength	80 / 40	MPa	ASTM D 638
Flexural Modulus	3500 / 2000	MPa	ASTM D 790
Flexural Strength	105 / 70	MPa	ASTM D 790
Rockwell Hardness	R 120 / R 105	-	ASTM D 785
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	65	E-6/K	ASTM D 696
DTUL @ 66 psi	235	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	34 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.6 / -	-	ASTM D 150
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1	%	ASTM D 570
Density	1150	kg/m ³	ASTM D 792

Characteristics

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Regional Availability

North America, Asia Pacific

Applications

Automotive, Electrical and Electronical