

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0075	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	50 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9 / 12	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	9000 / 6500	MPa	ASTM D 638
Tensile Strength	140 / 100	MPa	ASTM D 638
Flexural Modulus	7300 / 5000	MPa	ASTM D 790
Flexural Strength	215 / 150	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	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	250	°C	ASTM D 648
DTUL @ 264 psi	225	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	40 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3 / -	-	ASTM D 150
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1480	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