

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.008	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	95 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / 18	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	10500 / 7800	MPa	ASTM D 638
Tensile Strength	185 / 130	MPa	ASTM D 638
Flexural Modulus	8500 / 6000	MPa	ASTM D 790
Flexural Strength	250 / 165	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	25	E-6/K	ASTM D 696
DTUL @ 66 psi	255	°C	ASTM D 648
DTUL @ 264 psi	240	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	32 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.01 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7 / -	-	ASTM D 150
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1370	kg/m ³	ASTM D 792

Characteristics

Chemical Resistance

Hydrolytically Stable

Regional Availability

North America, Asia Pacific

Applications

Automotive