

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	2.5 / *	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.0225	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0245	mm/mm	ASTM D 955
Mechanical properties			
dry / cond	Unit	Test Standard	
ISO Data			
Tensile Modulus	1900 / 1000	MPa	ISO 527
Tensile Strength	50 / 43	MPa	ISO 527
Flexural modulus	1800 / 800	MPa	ISO 178
Flexural strength	66 / 30	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	65 / 105	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 110	-	ISO 2039-2
ASTM Data			
Tensile Modulus	1900 / 1000	MPa	ASTM D 638
Tensile Strength	50 / 43	MPa	ASTM D 638
Flexural Modulus	1800 / 800	MPa	ASTM D 790
Flexural Strength	66 / 30	MPa	ASTM D 790
Rockwell Hardness	R 110 /	-	ASTM D 785
Thermal properties			
dry / cond	Unit	Test Standard	
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	65 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	75 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	75	E-6/K	ASTM D 696
DTUL @ 66 psi	200	°C	ASTM D 648
DTUL @ 264 psi	63	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties			
dry / cond	Unit	Test Standard	
ISO Data			
Relative permittivity, 1MHz	3 / -	-	IEC 62631-2-1
Dissipation factor, 1MHz	0.02 / -	E-4	IEC 62631-2-1
Volume resistivity	1E14 / -	Ohm*m	IEC 62631-3-1
Electric strength	32 / -	kV/mm	IEC 60243-1
ASTM Data			
Dielectric Strength, Short Time	32 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3 / -	-	ASTM D 150
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257
Other properties			
dry / cond	Unit	Test Standard	
Density	1070 / -	kg/m ³	ISO 1183
Water Absorption, 24hr	1.2	%	ASTM D 570
Density	1070	kg/m ³	ASTM D 792

Characteristics

Special Characteristics

High impact or impact modified

Regional Availability

North America, Asia Pacific

Applications

Automotive