

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	11	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Strength	55	MPa	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Charpy notched impact strength, +23°C	3.6	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 119	-	ISO 2039-2
ASTM Data			
Tensile Strength	54	MPa	ASTM D 638
Flexural Modulus	2513	MPa	ASTM D 790
Flexural Strength	92	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	155	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Melting Temperature	224	°C	ASTM D 3418
Electrical properties			
Value	Unit	Test Standard	
ASTM Data			
Dielectric Strength, Short Time	28	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.1	-	ASTM D 150
Arc Resistance	120	s	ASTM D 495
Other properties			
Value	Unit	Test Standard	
Density	1310	kg/m ³	ISO 1183
Density	1310	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Mold temperature	40 - 80	°C	-
Zone 1	245 - 255	°C	-
Zone 2	245 - 260	°C	-
Zone 3	245 - 260	°C	-
Nozzle temperature	250 - 265	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Regional Availability

North America, Asia Pacific

Chemical Resistance

Hydrolytically Stable