

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.0195	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	60	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 113	-	ISO 2039-2
ASTM Data			
Tensile Strength	65	MPa	ASTM D 638
Flexural Modulus	2410	MPa	ASTM D 790
Flexural Strength	100	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	176	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.1	-	ASTM D 150
Arc Resistance	125	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	ISO 1183
Density	1100	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.05	%	-
Mold temperature	60 - 80	°C	-
Zone 1	250	°C	-
Zone 2	260	°C	-
Zone 3	265	°C	-
Nozzle temperature	270	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Black

Regional Availability

North America, Asia Pacific