

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	36	g/10min	ISO 1133
Temperature	240	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	36	g/10min	ASTM D 1238
Temperature	240	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Strength	42	MPa	ISO 527
Flexural modulus, 23°C	600	MPa	ISO 178
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA
Shore D hardness	72	-	ISO 7619-1
ASTM Data			
Tensile Strength	40	MPa	ASTM D 638
Flexural Modulus	1315	MPa	ASTM D 790
Shore D Hardness	72	-	ASTM D 2240
Taber Abrasion Resistance	10	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	47	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
ISO Data	Value	Unit	Test Standard
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Vicat softening temperature, A	205	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	148	°C	ASTM D 648
Melting Temperature	218	°C	ASTM D 3418
Electrical properties			
ISO Data	Value	Unit	Test Standard
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1
Electric strength	22.9	kV/mm	IEC 60243-1
Other properties			
Value	Unit	Test Standard	
Density	1270	kg/m ³	ISO 1183
Density	1270	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.08	%	-
Mold temperature	30 - 80	°C	-
Zone 1	180 - 200	°C	-
Zone 2	190 - 230	°C	-
Zone 3	200 - 240	°C	-
Nozzle temperature	220 - 250	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Asia Pacific