

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	16	g/10min	ISO 1133
Temperature	220	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	13.5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	32	MPa	ISO 527
Flexural modulus, 23°C	161	MPa	ISO 178
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Shore D hardness	49	-	ISO 7619-1
ASTM Data			
Tensile Strength	29	MPa	ASTM D 638
Flexural Modulus	211	MPa	ASTM D 790
Shore D Hardness	55	-	ASTM D 2240
Taber Abrasion Resistance	5	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	N	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	N	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	200	°C	ISO 11357-1/-3
Vicat softening temperature, A	169	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	65	°C	ASTM D 648
Melting Temperature	195	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Electric strength	18.8	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183
Density	1200	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	160 - 190	°C	-
Zone 2	160 - 210	°C	-
Zone 3	180 - 220	°C	-
Nozzle temperature	190 - 230	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Regional Availability

North America, Asia Pacific