

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	15	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Thermal conductivity of melt	0.3	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	5500	MPa	ISO 527
Tensile Strength	95	MPa	ISO 527
Flexural modulus, 23°C	5000	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	22	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	145	°C	ISO 75-1/-2
Vicat softening temperature, A	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel	32	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Other properties			
Density	1480	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	280 - 300	°C	-
Zone 2	290 - 310	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	290 - 310	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Additives

Lubricants

Applications

Medical, Sports Equipment

Regional Availability

North America, Europe, Asia Pacific