

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	85	cm ³ /10min	ISO 1133
Temperature	400	°C	-
Load	10	kg	-
Melt flow index, MFI	110	g/10min	ISO 1133
Temperature	400	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Thermal conductivity of melt	0.4	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Tensile Strength	180	MPa	ISO 527
Flexural modulus, 23°C	9000	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	325	°C	ISO 306
Coeff. of linear therm. expansion, parallel	22	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Density	1520	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	390	°C	-
Mold temperature	170 - 200	°C	-
Zone 1	360 - 370	°C	-
Zone 2	380 - 390	°C	-
Zone 3	390 - 400	°C	-
Nozzle temperature	360 - 380	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Applications

Aircraft and Aerospace, Automotive, Medical

Regional Availability

North America, Europe, Asia Pacific