

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	19800	MPa	ISO 527
Stress at break	280	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus, 23°C	18500	MPa	ISO 178
Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	325	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	135	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	300	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

Other properties	Value	Unit	Test Standard
Density	1680	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	330 - 350	°C	-
Mold temperature	150 - 165	°C	-
Zone 1	316 - 330	°C	-
Zone 2	316 - 330	°C	-
Zone 3	324 - 340	°C	-
Injection speed	75 - 100	mm/s	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa