

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	24	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3000	MPa	ISO 527
Yield stress	95	MPa	ISO 527
Yield strain	6.5	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus	3100	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	4	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	3300	MPa	ASTM D 638
Tensile Strength at Yield	97	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	70	%	ASTM D 638
Flexural Modulus	3170	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	55	J/m	ASTM D 256
Temperature	-30	°C	-
Izod Impact unnotched, 1/8 in	2080	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	180	°C	ISO 75-1/-2
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, B	200	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	205	°C	ISO 306
Thermal Conductivity	0.23	W/(m K)	DIN 52616
ASTM Data			
DTUL @ 264 psi	187	°C	ASTM D 648
Vicat Temperature	209	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1260	kg/m ³	ISO 1183
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 140	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	340 - 380	°C	-
Mold temperature	125 - 140	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	320 - 340	°C	-

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Zone 2	330 - 350	°C	-
Zone 3	340 - 360	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Applications

Automotive