

Product Texts

High heat resistant polyphthalate carbonate, provides DTUL of 300F at 264 psi.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	6	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	70	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2300	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C, 3mm	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	46	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	13	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	35	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	11	kJ/m ²	ISO 180/1A
Rockwell hardness	R 127	-	ISO 2039-2

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	151	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	166	°C	ISO 75-1/-2
Vicat softening temperature, A	185	°C	ISO 306
Vicat softening temperature, B	175	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	170	°C	ISO 306
Thermal Conductivity	0.21	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	850	°C	IEC 60695-2-12
GWFI - thickness tested (2)	2	mm	-

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 100Hz	260	E-4	IEC 62631-2-1

Other properties

	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	125 - 135	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	325 - 360	°C	-
Mold temperature	100 - 125	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	300 - 320	°C	-
Zone 2	310 - 330	°C	-
Zone 3	320 - 340	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Applications

Automotive