

Product Texts

High heat resistant polyphthalate carbonate, provides DTUL of 290F at 264 psi.

UL Yellow Card Link [E121562-220884](https://www.ul.com/yellowcard/E121562-220884)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	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	65	MPa	ISO 527
Yield strain	7	%	ISO 527
Stress at break	55	MPa	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	59	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	50	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	11	kJ/m ²	ISO 180/1A
Rockwell hardness	R 122	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 120°C/h 50N	160	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Thermal Conductivity	0.21	W/(m K)	DIN 52616

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3	-	IEC 62631-2-1
Dissipation factor, 100Hz	240	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