

Product Texts

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

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	65	MPa	ASTM D 638
Tensile Strength at Break	77	MPa	ASTM D 638
Elongation at Break	78	%	ASTM D 638
Flexural Modulus	2330	MPa	ASTM D 790
Rockwell Hardness	R 127	-	ASTM D 785
Izod Impact notched, 1/8 in	373	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	3200	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	148	°C	ASTM D 648
Thermal Conductivity, solid state	0.0303	W/(m K)	ASTM C 177
Specific Heat	1260	J/(kg K)	ASTM C 351

Electrical properties

	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 60 Hz	0.0016	-	ASTM D 150
Dielectric Constant, 60 Hz	3.27	-	ASTM D 150
Dielectric Constant, 1 MHz	3.1	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	350 - 370	°C	-
Mold temperature	80 - 115	°C	-
Zone 1	325 - 350	°C	-
Zone 2	340 - 360	°C	-
Zone 3	350 - 370	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

Automotive