TARFLON® GZ2510

PC-GF10 — Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards[S]			
Molding shrinkage, parallel	**0.4**	%	Producer Method
Molding shrinkage, normal	**0.6**	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**80**	MPa	ISO 527
Nominal strain at break	**5**	%	ISO 527
Flexural modulus, 23°C	**3500**	MPa	ISO 178
Flexural strength	**120**	MPa	ISO 178
Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA
Rockwell hardness	**M 65**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**142**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**45**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**54**	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	**22**	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	**1E16**	Ohm*cm	ASTM D 257
Other Standards[S]			
Relative permittivity, 1MHz	**2.95**	-	IEC 60250
Dissipation factor, 1MHz	**90**	E-4	IEC 60250

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	**1270**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**5 - 8**	h	-
Melt temperature	**260 - 300**	°C	-
Mold temperature	**80 - 120**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Delivery form
Pellets

Regional Availability
North America, Europe, Asia Pacific

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