TARFLON® G2520

PC-GF20 — Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	**0.002**	mm/mm	ASTM D 955
Mold Shrinkage, TD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**5800**	MPa	ISO 527
Yield stress	**110**	MPa	ISO 527
Nominal strain at break	**4**	%	ISO 527
Stress at break	**110**	MPa	ISO 527
Flexural modulus, 23°C	**5900**	MPa	ISO 178
Charpy notched impact strength, +23°C	**13**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 70**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**145**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	**25**	E-6/K	ASTM D 696
Limiting Oxygen Index	**32**	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	**3.1**	-	IEC 62631-2-1
Relative permittivity, 1MHz	**2.95**	-	IEC 62631-2-1
Dissipation factor, 100Hz	**8**	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	**92**	E-4	IEC 62631-2-1
Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
Electric strength	**22**	kV/mm	IEC 60243-1
ASTM Data			
Arc Resistance	**110**	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	**1330**	kg/m³	ISO 1183

Characteristics

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific