

Gharda Chemicals Gafone™ 3610GM20 Polyethersulfone (PES) (discontinued **)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Characteristics: Excellent Thermal Resistance - Tg 224°C Outstanding Mechanical, Electrical, Flame & Chemical Resistance Very good Hydrolytic & Sterilization Resistance Good Optical Clarity Processed by all Conventional Techniques Applications: Clear applications like baby bottle, snuffer buttons, tee lights etc. Membrane applications Industrial and domestic coating Medical - Sterilizable box, surgical instrument Automotive - engine components Household - microwave oven food trays Industrial - oil level indicator, high temp. lighting fixture, Heat exchanger parts Electrical - Printed circuit board Information provided by Gharda ChemicalsSolvay Advanced Polymers completed its acquisition of this product line in May 2006.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gharda-Chemicals-Gafone-3610GM20-Polyethersulfone-PES-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
Tensile Modulus	7.00 GPa	1020 ksi	ASTM D638
Flexural Strength	130 MPa	18900 psi	ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	ASTM D790
Izod Impact, Notched	0.380 J/cm	0.712 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	190 °C	374 °F	Continuous Use; UL -746B
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648
Glass Transition Temp, Tg	225 °C	437 °F	ASTM D3482
Flammability, UL94	V-0 @Thickness 0.900 mm	V-0 @Thickness 0.0354 in	UL 94
Oxygen Index	41 %	41 %	ASTM D2863

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{16}$ ohm-cm	$\geq 1.00 \times 10^{16}$ ohm-cm	ASTM D257
Surface Resistance	$\geq 1.00 \times 10^{14}$ ohm	$\geq 1.00 \times 10^{14}$ ohm	ASTM D257
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Arc Resistance	125 sec	125 sec	ASTM D495
Comparative Tracking Index	150 V	150 V	ASTM D3638

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China