

Covestro Petlon® 3530 Semi-Crystalline PET, 30% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

Characteristics: Excellent Electrical Properties, High Heat and Chemical Resistance Applications: Automotive (Underhood), Appliances, Casings and Housings Processing: Injection Molding (Melt Temperature: 495-530°F, Mold Temperature: 195-250°F) Petlon® is manufactured by Albis Plastics Corporation and is a registered trademark of Bayer Corporation. As of 1 September 2015, Bayer Material Science was separated from Bayer AG and has officially adopted its new name – Covestro. This product was discontinued prior to the separation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Petlon-3530-Semi-Crystalline-PET-30-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	(24 hr); ASTM D570
Moisture Absorption at Equilibrium	0.24 %	0.24 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	93	93	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	157.9 MPa	22900 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	237.9 MPa	34500 psi	ASTM D790
Flexural Modulus	10.41 GPa	1510 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	19.0 μm/m-°C	10.6 μin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	140 °C	284 °F	RTI
Deflection Temperature at 1.8 MPa	225 °C	437 °F	

<small>(264 psi)</small> Thermal Properties	Metric	English	ASTM D648 Comments
Vicat Softening Point	>= 225 °C	>= 437 °F	ASTM D1525
UL RTI, Mechanical without Impact	140 °C	284 °F	
Flammability, UL94	HB	HB	0.028 in

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.2	4.2	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	20.2 kV/mm	513 kV/in	ASTM D149
Arc Resistance	94 sec	94 sec	ASTM D495
Comparative Tracking Index	270 V	270 V	ASTM D3638

Processing Properties	Metric	English	Comments
Melt Temperature	257 - 277 °C	495 - 531 °F	Injection
Mold Temperature	91.0 - 121 °C	196 - 250 °F	

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