

Covestro Petlon® DP3-1027 Semi-Crystalline PET, 45% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 50% Glass Reinforced

Material Notes:

Characteristics: General Purpose: Good Strength, High Rigidity and Heat Resistance
Applications: Automotive Valve Covers, Pump Components and Pulleys
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 MaterialScience 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-DP3-1027-Semi-Crystalline-PET-45-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ASTM D792
Water Absorption	0.040 %	0.040 %	(24 hr); ASTM D570
Moisture Absorption at Equilibrium	0.21 %	0.21 %	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
Tensile Strength at Break	173.1 MPa	25110 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	256.5 MPa	37200 psi	ASTM D790
Flexural Modulus	14.2 GPa	2060 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	226 °C	439 °F	ASTM D648
Flammability, UL94	HB	HB	0.032 in; Albis Internal test

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

Processing Properties

Metric

English

Comments

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