

## Covestro Petlon® DP3-1039 Semi-Crystalline PET, 35% Glass Fiber (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 40% Glass Reinforced

### Material Notes:

Characteristics: Impact Modified: Good Strength and Toughness 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 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-DP3-1039-Semi-Crystalline-PET-35-Glass-Fiber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Covestro-Petlon-DP3-1039-Semi-Crystalline-PET-35-Glass-Fiber-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	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	0.0040 cm/cm	0.0040 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	96.5 MPa	14000 psi	ASTM D638
Flexural Yield Strength	157.9 MPa	22900 psi	ASTM D790
Flexural Modulus	7.52 GPa	1090 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ASTM D648
Vicat Softening Point	>= 225 °C	>= 437 °F	ASTM D1525
Flammability, UL94	HB	HB	0.125 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	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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