

Covestro Petlon® PC/PET 36A 620UV Yellow Semi-Crystalline PET, 10% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Characteristics: Good Thermal and Dimensional Stability, Good Chemical Resistance Applications: Automotive Panels, Electronic Housings, Pump Housings Processing: Injection Molding (Melt Temperature: 500-530°F, Mold Temperature: 165-200°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-PCPET-36A-620UV-Yellow-Semi-Crystalline-PET-10-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D792
Water Absorption	0.10 %	0.10 %	(24 hr); ASTM D570
Moisture Absorption at Equilibrium	0.24 %	0.24 %	ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0060 cm/cm	0.0010 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength at Break	62.1 MPa	9010 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	3.86 GPa	560 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	26.0 µm/m-°C	14.4 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	114 °C	237 °F	ASTM D648
Flammability, UL94	HB	HB	0.059 in; Albis Internal test

Electrical Properties	Metric	English	Comments
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Dielectric Constant Electrical Properties	3.2 Metric	3.2 English	Comments
Dielectric Strength	>= 27.6 kV/mm	>= 701 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 277 °C	500 - 531 °F	Injection
Mold Temperature	74.0 - 93.0 °C	165 - 199 °F	

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