

Covestro Petlon® 7530 Semi-Crystalline PET, 35% Mineral/Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Characteristics: Excellent Electrical Properties, High Heat and Chemical Resistance
Applications: Automotive (Under Hood), 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 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-7530-Semi-Crystalline-PET-35-MineralGlass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	(24 hr); ASTM D570
Moisture Absorption at Equilibrium	0.18 %	0.18 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	91	91	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	115.1 MPa	16690 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	177.9 MPa	25800 psi	ASTM D790
Flexural Modulus	10.0 GPa	1450 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 μm/m-°C @Temperature 20.0 °C	10.0 μin/in-°F @Temperature 68.0 °F	ASTM D696
Maximum Service Temperature, Air	130 °C	266 °F	RTI

Thermal Properties <small>Deflection Temperature at 1.8 MPa (104 psi)</small>	Metric	English	Comments
Vicat Softening Point	>= 225 °C	>= 437 °F	ASTM D1525
UL RTI, Mechanical without Impact	130 °C	266 °F	
Flammability, UL94	HB	HB	0.028 in

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5 @Frequency 60 Hz	3.5 @Frequency 60 Hz	ASTM D150
Dielectric Strength	20.9 kV/mm	531 kV/in	ASTM D149
Arc Resistance	104 sec	104 sec	ASTM D495
Comparative Tracking Index	230 V	230 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	

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