

BASF Petra® 7010 BK 5830 15% Glass Filled PET

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 20% Glass Reinforced

Material Notes:

Description: Petra 7010 BK5830 is a 15% glass fiber reinforced, pigmented black injection molding compound based on post-consumer recycle polyethylene terephthalate. Formulated for superior surface aesthetics, it exhibits excellent melt stability and high flow over a broad range of processing conditions. The combination of high strength and dimensional stability enable its use in structural applications designed for metal. Application: Petra 7010 BK5830 is recommended for applications such as appliance door handles and knobs. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Petra-7010-BK-5830-15-Glass-Filled-PET.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	97.0 MPa	14100 psi	ISO 527
Elongation at Break	2.7 %	2.7 %	ISO 527
Flexural Modulus	6.30 GPa	914 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	245 °C	473 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	100 - 110 °C	212 - 230 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	0.20 %	0.20 %	

Descriptive Properties	Value	Comments
Color	BK 5830	
Commercial Status	North America	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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