

BASF Petra® 7030 GY6128 30% Glass Filled PET

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

Petra 7030 GY6128 is a grey pigmented, high flow 30% glass fiber reinforced injection molding compound based on post-consumer and post-industrial recycled polyethylene terephthalate feedstock. It offers strength, stiffness, and rigidity combined with excellent dimensional stability, creep resistance and high temperature performance. It's improved flow results in excellent surface aesthetics which can eliminate the need for painting parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Petra-7030-GY6128-30-Glass-Filled-PET.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ISO 1183
Viscosity Measurement	0.55	0.55	Inherent Viscosity
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM Test
Tensile Strength at Break	150 MPa	21800 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	150 MPa	21800 psi	5mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5mm/min; ISO 527
	3.0 %	3.0 %	0.2 in/min; ASTM Test
Flexural Strength	240 MPa	34800 psi	ASTM Test
Flexural Modulus	8.83 GPa	1280 ksi	ISO Data
	9.09 GPa	1320 ksi	ASTM Test
Izod Impact, Notched	1.00 J/cm @Thickness 3.17 mm	1.87 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	9.50 kJ/m ²	4.52 ft-lb/in ²	ISO Test

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 µm/m-°C @Temperature -30.0 - 30.0 °C	12.8 µin/in-°F @Temperature -22.0 - 86.0 °F	ASTM Test

Melting Point Thermal Properties	245 °C Metric	473 °F English	10 K/min Comments
	245 °C	473 °F	ASTM Test
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Melt Temperature	275 °C	527 °F	Injection molding
Mold Temperature	115 °C	239 °F	Injection molding

Descriptive Properties	Value	Comments
Color	GY6128	
Commercial Status	Active America	
Form	Pellets	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	
UL-UL-C	Yes	

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