

Polyram PlusTek PB302G8 Nylon 6, 40%Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

40%glass-fiber reinforced, heat stabilized polyamide 6 for injection molding applicationsInformation provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PB302G8-Nylon-6-40Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	DIN 53479
Water Absorption	5.0 %	5.0 %	DIN 53495
Moisture Absorption at Equilibrium	1.5 %	1.5 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM-D785
Tensile Strength, Yield	195 MPa	28300 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	290 MPa	42100 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM-D790
Izod Impact, Notched	2.00 J/cm @Temperature 23.0 °C	3.75 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	
Maximum Service Temperature, Air	110 °C	230 °F	Continuous Use
	200 °C	392 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	DIN 53482
Dielectric Constant	3.8	3.8	VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	80.0 kV/mm	2030 kV/in	VDE 0303/4

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