

Polyram PlusTek RA307G4 Nylon 6.6, 20% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

20% glass fiber reinforced heat stabilized polyamide 6.6 for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-RA307G4-Nylon-66-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	DIN 53479
Water Absorption	6.5 %	6.5 %	DIN 53495
Moisture Absorption at Equilibrium	2.0 %	2.0 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.0045 - 0.0055 cm/cm	0.0045 - 0.0055 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM-D785
Tensile Strength, Yield	130 MPa	18900 psi	ASTM-D638
Elongation at Break	2.5 %	2.5 %	ASTM-D638
Flexural Strength	155 MPa	22500 psi	ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	ASTM-D790
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 °C	0.937 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Maximum Service Temperature, Air	110 °C	230 °F	Continuous Use
	240 °C	464 °F	Short peaks operation
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °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

Electrical Properties	Metric	English	Comments
Surface Resistance	$1.00\text{e}+12\text{ ohm}$	$1.00\text{e}+12\text{ ohm}$	DIN 53482
Dielectric Constant	3.5	3.5	VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	90.0 kV/mm	2290 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