

## Polyram PlusTek PA320G4 Nylon 6.6, 20% Glass Fiber, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

20% glass fiber reinforced, flame retardant 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-PA320G4-Nylon-66-20-Glass-Fiber-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA320G4-Nylon-66-20-Glass-Fiber-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	DIN 53479
Water Absorption	6.0 %	6.0 %	DIN 53495
Moisture Absorption at Equilibrium	1.4 %	1.4 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM-D785
Tensile Strength, Yield	145 MPa	21000 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	6.70 GPa	972 ksi	ASTM-D790
Izod Impact, Notched	0.600 J/cm @Temperature 23.0 °C	1.12 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Maximum Service Temperature, Air	100 °C	212 °F	Continuous Use
	200 °C	392 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	350 °F	DIN 53461
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @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	$1.00e+12$ 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	70.0 kV/mm	1780 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

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