

Polyram PlusTek PA517 Nylon 6.6, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Flame retardant halogen free polyamide 6.6 formulated to meet V-0, 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-PA517-Nylon-66-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	DIN 53479
Water Absorption	7.5 %	7.5 %	DIN 53495
Moisture Absorption at Equilibrium	2.5 %	2.5 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ASTM-D638
Elongation at Break	10 %	10 %	ASTM-D638
Flexural Strength	75.0 MPa	10900 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM-D790
Izod Impact, Notched	0.400 J/cm @Temperature 23.0 °C	0.749 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	250 °C	482 °F	
Maximum Service Temperature, Air	80.0 °C	176 °F	Continuous Use
	180 °C	356 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °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
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	DIN 53482
Dielectric Constant	3.3	3.3	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.

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