

Polyram PlusTek PA803 Nylon 6.6 for Injection Molding, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Impact modified Nylon 6.6 for injection molding application. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA803-Nylon-66-for-Injection-Molding-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	2.2 %	2.2 %	50% RH; ISO 62
Water Absorption at Saturation	5.5 %	5.5 %	ISO 62
Linear Mold Shrinkage	0.015 - 0.017 cm/cm	0.015 - 0.017 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	
Tensile Strength, Yield	80.0 MPa	11600 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Tensile Modulus	2.40 GPa	348 ksi	ISO 527
Flexural Strength	110 MPa	16000 psi	ISO 178
Flexural Modulus	2.45 GPa	355 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 11357
Maximum Service Temperature, Air	70.0 °C	158 °F	Continuous use
	180 °C	356 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	225 °C	437 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	3.2	3.2	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	100 kV/mm	2540 kV/in	IEC 60250

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