

Elastomer Engineering Elastamide 100 Elastomer Modified RIM Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

30% crystallinity. Information supplied by Elastomer Engineering.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastomer-Engineering-Elastamide-100-Elastomer-Modified-RIM-Nylon-6.php

Physical Properties	Metric	English	Comments
Water Absorption	3.1 %	3.1 %	24 hrs; DIN 53714

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	
Tensile Strength, Ultimate	49.0 MPa	7110 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Tensile Modulus	1.20 GPa	174 ksi	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790
Izod Impact, Notched	3.52 J/cm	6.59 ft-lb/in	Method B; Ductile Failure
	0.430 J/cm @Temperature -40.0 °C	0.806 ft-lb/in @Temperature -40.0 °F	Method B; Brittle Failure
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	Brittle Failure; ASTM D256B
	0.310 J/cm ² @Temperature -40.0 °C	1.48 ft-lb/in ² @Temperature -40.0 °F	Method B; Brittle Failure
Taber Abrasion, mg/1000 Cycles	10	10	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.1	4.1	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	7.9	7.9	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	15.3	15.3	
	@Frequency 50 Hz	@Frequency 50 Hz	
	13.0 kV/mm	330 kV/in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 100000 Hz	@Frequency 100000 Hz	ASTM D150
	0.30	0.30	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Comparative Tracking Index	400 V	400 V	ASTM D257

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