

## Elastomer Engineering Elastamide 200 Elastomer Modified RIM Nylon 6

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

**Material Notes:**

26% crystallinity. Information supplied by Elastomer Engineering.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elastomer-Engineering-Elastamide-200-Elastomer-Modified-RIM-Nylon-6.php](http://www.lookpolymers.com/polymer_Elastomer-Engineering-Elastamide-200-Elastomer-Modified-RIM-Nylon-6.php)

Physical Properties	Metric	English	Comments
Water Absorption	2.4 %	2.4 %	24 hrs; DIN 53714

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Tensile Modulus	0.650 GPa	94.3 ksi	ASTM D638
Flexural Modulus	0.790 GPa	115 ksi	ASTM D790
Shear Modulus	0.400 GPa	58.0 ksi	Torsional
Izod Impact, Notched	9.02 J/cm	16.9 ft-lb/in	Method B; Ductile Failure
	1.23 J/cm @Temperature -40.0 °C	2.30 ft-lb/in @Temperature -40.0 °F	Method B; Brittle/Ductile Failure
Charpy Impact, Notched	1.90 J/cm <sup>2</sup>	9.04 ft-lb/in <sup>2</sup>	Ductile Failure; ASTM D256B
	0.550 J/cm <sup>2</sup> @Temperature -40.0 °C	2.62 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	Method B; Brittle Failure
Taber Abrasion, mg/1000 Cycles	8.0	8.0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	7.9	7.9	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	14.9	14.9	
	@Frequency 50 Hz	@Frequency 50 Hz	

Electrical Properties	Metric <sup>°</sup> /mm	English <sup>in</sup>	Comments
Dissipation Factor	0.10	0.10	ASTM D150
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.30	0.30	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Comparative Tracking Index	500 V	500 V	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China