

## Elastomer Engineering Elastamide 150 Elastomer Modified RIM Nylon 6

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

### Material Notes:

29% crystallinity. Information supplied by Elastomer Engineering.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elastomer-Engineering-Elastamide-150-Elastomer-Modified-RIM-Nylon-6.php](http://www.lookpolymers.com/polymer_Elastomer-Engineering-Elastamide-150-Elastomer-Modified-RIM-Nylon-6.php)

Physical Properties	Metric	English	Comments
Water Absorption	2.5 %	2.5 %	24 hrs; DIN 53714

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	
Tensile Strength, Ultimate	44.0 MPa	6380 psi	ASTM D638
Elongation at Break	320 %	320 %	ASTM D638
Tensile Modulus	0.900 GPa	131 ksi	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
Izod Impact, Notched	6.03 J/cm	11.3 ft-lb/in	Method B; Ductile Failure
	1.01 J/cm @Temperature -40.0 °C	1.89 ft-lb/in @Temperature -40.0 °F	Method B; Brittle Failure
Charpy Impact, Notched	1.65 J/cm <sup>2</sup>	7.85 ft-lb/in <sup>2</sup>	Ductile Failure; ASTM D256B
	0.600 J/cm <sup>2</sup> @Temperature -40.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	Method B; Brittle Failure

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.2	4.2	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	7.8	7.8	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	14.9	14.9	
	@Frequency 50 Hz	@Frequency 50 Hz	
Dielectric Strength	13.0 kV/mm	330 kV/in	
	0.10	0.10	

Disipation Factor Electrical Properties	Metric @Frequency 100000 Hz	English @Frequency 100000 Hz	ASTM D150 Comments
	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.

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