

## Elastomer Engineering Elastamide 400 Elastomer Modified RIM Nylon 6

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

**Material Notes:**

18% crystallinity. Information supplied by Elastomer Engineering.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elastomer-Engineering-Elastamide-400-Elastomer-Modified-RIM-Nylon-6.php](http://www.lookpolymers.com/polymer_Elastomer-Engineering-Elastamide-400-Elastomer-Modified-RIM-Nylon-6.php)

Physical Properties	Metric	English	Comments
Water Absorption	1.6 %	1.6 %	24 hrs; DIN 53714

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	
Tensile Strength, Ultimate	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	420 %	420 %	ASTM D638
Tensile Modulus	0.230 GPa	33.4 ksi	ASTM D638
Flexural Modulus	0.240 GPa	34.8 ksi	ASTM D790
Taber Abrasion, mg/1000 Cycles	19	19	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.8	4.8	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	8.7	8.7	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	15.4	15.4	
	@Frequency 50 Hz	@Frequency 50 Hz	
Dielectric Strength	14.0 kV/mm	356 kV/in	
Dissipation Factor	0.10	0.10	ASTM D150
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.40	0.40	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Comparative Tracking Index	600 V	600 V	ASTM D257

## **Contact Songhan Plastic Technology Co.,Ltd.**

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