

PolyOne Elastamax XL 1092-2 TPU-Based Thermoplastic Elastomer (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

Material Notes:

This is a general purpose thermoplastic elastomer based on modified TPU technology. Physical Form: Pellet. Standard Color: Natural. Information provided by M. A. Hanna. M. A. Hanna and Geon merged to form PolyOne in 2000.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Elastamax-XL-1092-2-TPU-Based-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 190 °C	@Load 8.38 lb, Temperature 374 °F	
	52.53 g/10 min	52.53 g/10 min	ASTM D1238
	@Load 8.70 kg, Temperature 190 °C	@Load 19.2 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	5 sec. delay; ASTM D2240
Tensile Strength, Ultimate	24.3 MPa	3520 psi	10 in/min; ASTM D412
Elongation at Break	772 %	772 %	10 in/min; ASTM D412
50% Modulus	0.00188 GPa	0.273 ksi	10 in/min; ASTM D412
100% Modulus	0.00245 GPa	0.355 ksi	ISO 37
200% Modulus	0.00315 GPa	0.457 ksi	10 in/min; ASTM D412
300% Modulus	0.00405 GPa	0.587 ksi	10 in/min; ASTM D412
Tear Strength	53.8 kN/m	307 pli	Die 'C' Tear; 20 in/min; ASTM D624
Compression Set	26.9 %	26.9 %	23°C, 22 hrs.; ASTM D395
	68 %	68 %	
	@Temperature 70.0 °C	@Temperature 158 °F	22 hrs; ASTM D395
Tensile Set	12.6 %	12.6 %	23°C, 22 hrs.; at 100% per ASTM D412.

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