

## PolyOne Elastamax XL 1092-35 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-1092-35-TPU-Based-Thermoplastic-Elastomer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Elastamax-XL-1092-35-TPU-Based-Thermoplastic-Elastomer-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in <sup>3</sup>	ASTM D792
Melt Flow	68 g/10 min	68 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 190 °C	@Load 8.38 lb, Temperature 374 °F	
	271.4 g/10 min	271.4 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	54	54	5 sec. delay; ASTM D2240
Tensile Strength, Ultimate	11.2 MPa	1620 psi	10 in/min; ASTM D412
Elongation at Break	716 %	716 %	10 in/min; ASTM D412
50% Modulus	0.00128 GPa	0.186 ksi	10 in/min; ASTM D412
100% Modulus	0.00168 GPa	0.244 ksi	ISO 37
200% Modulus	0.00217 GPa	0.315 ksi	10 in/min; ASTM D412
300% Modulus	0.00275 GPa	0.399 ksi	10 in/min; ASTM D412
Tear Strength	42.4 kN/m	242 pli	Die 'C' Tear; 20 in/min; ASTM D624
Tensile Set	10.8 %	10.8 %	at 100%; ASTM D412

## 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