

PolyOne Elastamax XL 0254-15 TPU-Based Thermoplastic Elastomer (discontinued **)

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

Material Notes:

This is a urethane based thermoplastic elastomer specially lubricated for auto suspension bushings. Physical Form: Pellets. 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-0254-15-TPU-Based-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Melt Flow	30 g/10 min @Load 1.00 kg, Temperature 190 °C	30 g/10 min @Load 2.20 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	5 sec. delay; ASTM D2240
Tensile Strength, Ultimate	14.1 MPa	2050 psi	10 in/min; ASTM D412
Elongation at Break	430 %	430 %	10 in/min; ASTM D412
50% Modulus	0.00752 GPa	1.09 ksi	10 in/min; ASTM D412
100% Modulus	0.00896 GPa	1.30 ksi	ISO 37
200% Modulus	0.01069 GPa	1.550 ksi	10 in/min; ASTM D412
300% Modulus	0.01214 GPa	1.761 ksi	10 in/min; ASTM D412
Tear Strength	71.0 kN/m	405 pli	Die 'C' Tear; 20 in/min; ASTM D624
Compression Set	25 %	25 %	23°C, 22 hrs.; ASTM D395
	57 % @Temperature 70.0 °C	57 % @Temperature 158 °F	22 hrs; ASTM D395

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