

PolyOne Elastamax XL-0257-1 TPU-Based Thermoplastic Elastomer (discontinued **)

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

Material Notes:

This is a general purpose thermoplastic elastomer based on TPU for injection molding, and has a high specific gravity for applications requiring high weight. Physical Form: Pellets. Standard Color: Grey. 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-0257-1-TPU-Based-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Melt Flow	113 g/10 min @Load 2.16 kg, Temperature 230 °C	113 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	5 sec. delay; ASTM D2240
Tensile Strength, Ultimate	23.8 MPa	3450 psi	10 in/min; ASTM D412
Elongation at Break	370 %	370 %	10 in/min; ASTM D412
50% Modulus	0.00903 GPa	1.31 ksi	10 in/min; ASTM D412
100% Modulus	0.0111 GPa	1.61 ksi	ISO 37
200% Modulus	0.01455 GPa	2.110 ksi	10 in/min; ASTM D412
300% Modulus	0.01951 GPa	2.830 ksi	10 in/min; ASTM D412

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