

PolyOne Elastamax XL 0233-1 Polyurethane Compound (discontinued **)

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

This is a static dissipative thermoplastic polyurethane compound for injection molding and extrusion applications. Physical Form: Pellet.

Standard Color: Black/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-0233-1-Polyurethane-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Melt Flow	14.8 g/10 min	14.8 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	40 g/10 min	40 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	20.4 MPa	2960 psi	10 in/min; ASTM D412
Elongation at Break	60 %	60 %	10 in/min; ASTM D412
50% Modulus	0.01903 GPa	2.760 ksi	10 in/min; ASTM D412
Tear Strength	102 kN/m	580 pli	Die 'C' Tear; 20 in/min; ASTM D624
Compression Set	45 %	45 %	22 hrs; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.70e+8 ohm-cm	2.70e+8 ohm-cm	ASTM D257
Surface Resistance	1.30e+8 ohm	1.30e+8 ohm	ASTM D257

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