

PolyOne Elastamax HTE 2101-1002 Polyurethane Alloy (discontinued **)

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

This is an extrusion grade polyurethane alloy. Physical Form: Pellet. Standard Color: Off white, opaque. 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-HTE-2101-1002-Polyurethane-Alloy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 190 °C	@Load 8.38 lb, Temperature 374 °F	
	12 g/10 min	12 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 D	73	73	5 sec. delay; ASTM D2240
Tensile Strength, Yield	31.4 MPa	4550 psi	20 in/min; CP-TM-09
Elongation at Break	68.2 %	68.2 %	10 in/min; ASTM D412
Flexural Yield Strength	43.3 MPa	6280 psi	.5"/min; CP-TM-10
Flexural Modulus	1.44 GPa	209 ksi	.5"/min; CP-TM-10
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	CP-TM-11

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	54.0 °C	129 °F	CP-TM-12
Deflection Temperature at 1.8 MPa (264 psi)	47.0 °C	117 °F	CP-TM-12
Flammability, UL94	V-0 @Thickness 3.17 mm	V-0 @Thickness 0.125 in	CP-TM-25

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