

Multibase Multi-Flex[®] A 4541 Clear TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

Forms: Pellets Processing Method: Injection Molding Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-4541-Clear-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.892 g/cc	0.892 g/cc	ASTM 792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	96 g/10 min @Load 2.16 kg, Temperature 230 °C	96 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	10 seconds; ASTM D2240
Tensile Strength, Yield	2.95 MPa	428 psi	Elastic; ASTM D412
Elongation at Break	610 %	610 %	Elastic; ASTM D412
Tear Strength	21.0 kN/m	120 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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