

Multibase Multi-Flex[®] A 8502 TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Heat Stabilized Ozone Resistant General Purpose Moldability, Good Paintable Forms: Pellets Processing

Method: Injection Molding Uses: Automotive Interior Parts Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-8502-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM 792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 230 °C	5.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	10 seconds; ASTM D2240
Tensile Strength, Yield	10.9 MPa	1580 psi	Elastic; ASTM D412
Elongation at Break	680 %	680 %	Elastic; ASTM D412
Flexural Modulus	0.0827 GPa	12.0 ksi	1% Secant; ASTM D790
Tear Strength	49.1 kN/m	280 pli	ASTM D624
Compression Set	25 %	25 %	73 °F; ASTM D395

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 °C	410 °F	
Front Barrel Temperature	227 °C	440 °F	
Nozzle Temperature	235 °C	455 °F	
Mold Temperature	51.7 °C	125 °F	

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