

## Multibase Multi-Flex<sup>®</sup> A 8502 LC TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

Features: Chemical Resistance, Good Thermal Stability, Good Ozone Resistant Forms: Pellets Processing Method: Injection Molding Extrusion

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM 792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	10 seconds; ASTM D2240
Tensile Strength, Yield	4.55 MPa	660 psi	at 100% secant; ASTM D638
	11.0 MPa	1600 psi	Elastic; ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.0586 GPa	8.50 ksi	ASTM D790
Tear Strength	43.8 kN/m	250 pli	ASTM D624
Compression Set	25 %	25 %	73 °F, 70 hours; ASTM D395
	51 %	51 %	158 °F, 70 hours; ASTM D395

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