

Multibase Multi-Flex® A 5003 TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Colorability, Good Elasticity, High Electrically Insulating Flame Retardant Flexibility, Good Heat

Stabilized Ozone Resistant Processability, Good UV Resistance, Good General Purpose Hardness, Medium Forms: Pellets Processing

Method: Extrusion Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-5003-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM 792
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	ASTM D955
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46	46	10 seconds; ASTM D2240
Tensile Strength, Yield	8.27 MPa	1200 psi	Elastic; ASTM D412
Elongation at Break	630 %	630 %	Elastic; ASTM D412
Tear Strength	29.8 kN/m	170 pli	ASTM D624
Compression Set	33 %	33 %	73 °F, 70 hours; ASTM D395
	68 %	68 %	158 °F, 70 hours; ASTM D395

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 204 °C	375 - 400 °F	
Mold Temperature	125 °C	257 °F	

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