

Multibase Multi-Flex® A 9002 Black TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-9002-Black-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.982 g/cc	0.982 g/cc	ASTM 792
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	6.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	10 seconds; ASTM D2240
Tensile Strength, Yield	11.7 MPa	1700 psi	Elastic; ASTM D412
Elongation at Break	730 %	730 %	Elastic; ASTM D412
Flexural Modulus	0.0965 GPa	14.0 ksi	1% Secant; ASTM D790
Tear Strength	57.8 kN/m	330 pli	ASTM D624

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

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