

Multibase Multi-Flex® D 4003 Black TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-D-4003-Black-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.912 g/cc	0.912 g/cc	ASTM 792
Melt Flow	1.5 g/10 min	1.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	37	37	10 seconds; ASTM D2240
Tensile Strength, Yield	5.72 MPa	830 psi	Elastic; ASTM D412
	1.00 MPa	145 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
Elongation at Break	660 %	660 %	Elastic; ASTM D412
Flexural Modulus	0.201 GPa	29.2 ksi	ASTM D790
Tear Strength	24.5 kN/m	140 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Flame Spread	0.89 mm/min	0.035 in/min	FM VSS-302

Processing Properties	Metric	English	Comments
Die Temperature	204 Â°C	400 Â°F	
Melt Temperature	191 - 204 Â°C	375 - 400 Â°F	

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