

Multibase Multi-Flex[®] 8832 C 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-8832-C-Black-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.92 g/cc	1.92 g/cc	ASTM 792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	10 seconds; ASTM D2240
Hardness, Shore D	41	41	10 seconds; ASTM D2240
Tensile Strength, Yield	5.52 MPa	800 psi	Elastic; ASTM D412
Elongation at Break	320 %	320 %	Elastic; ASTM D412
Flexural Modulus	0.310 GPa	45.0 ksi	1% Secant; ASTM D790
Tear Strength	35.1 kN/m	200 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Flame Spread	23 mm/min	0.90 in/min	FM VSS-302

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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