

Multibase Multi-Flex[®] 1047 Black TPO Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyolefin

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-1047-Black-TPO-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.892 g/cc	0.892 g/cc	ASTM 792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	2.75 g/10 min @Load 2.16 kg, Temperature 230 °C	2.75 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	51	51	10 seconds; ASTM D2240
Tensile Strength, Ultimate	13.4 MPa	1950 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D412
Flexural Modulus	0.414 GPa	60.0 ksi	1% Secant; ASTM D790
Tear Strength	99.9 kN/m	570 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-50.0 °C	-58.0 °F	ASTM D746
Flame Spread	13.4 mm/min	0.528 in/min	FM VSS-302

Descriptive Properties	Value	Comments
Fogging	Min. 90	SAE-J275

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