

Multibase Multi-Flex® D 5304 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-D-5304-Black-TPO-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.912 g/cc	0.912 g/cc	ASTM 792
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955
Melt Flow	3.8 g/10 min @Load 2.16 kg, Temperature 230 °C	3.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	47	47	10 seconds; ASTM D2240
Tensile Strength, Yield	18.8 MPa	2720 psi	Elastic; ASTM D412
Elongation at Break	610 %	610 %	Elastic; ASTM D412
Flexural Modulus	0.329 GPa	47.7 ksi	ASTM D790
Tear Strength	103 kN/m	590 pli	ASTM D624

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	240 °C	464 °F	
Middle Barrel Temperature	240 °C	464 °F	
Front Barrel Temperature	250 °C	482 °F	
Nozzle Temperature	245 °C	473 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °F	

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