

## Multibase Multi-Flex<sup>®</sup> D 5308 848 Black TPO Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyolefin

**Material Notes:**Forms: Pellets  
Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flex-D-5308-848-Black-TPO-Thermoplastic-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-D-5308-848-Black-TPO-Thermoplastic-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.932 g/cc	0.932 g/cc	ASTM 792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	6.83 g/10 min @Load 2.16 kg, Temperature 230 °C	6.83 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	10 seconds; ASTM D2240
Tensile Strength at Break	18.8 MPa	2720 psi	Elastic; ASTM D412
Elongation at Break	720 %	720 %	Elastic; ASTM D412
Flexural Modulus	0.569 GPa	82.5 ksi	Method I (3 point load), Procedure B); ASTM D790
Tear Strength	112 kN/m	640 pli	ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	99.0 µm/m-°C @Temperature 20.0 °C	55.0 µin/in-°F @Temperature 68.0 °F	ASTM D696

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