

## Buckeye Polymers BP FLEX D5518 R 848 Thermoplastic Polyolefin

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

**Material Notes:**

**Product Information:** TPO's are a family of thermoplastic elastomers which exhibit rubber-like properties and are processable on conventional thermoplastic equipment.  
**Product Features:**High tear resistanceGood UV resistanceLow densityWide service range from -20°C to 120°C  
**Appearance:** Black or Natural**Forms:** Strand or Gala cut**Processing Method:** Injection Molding  
 Information Provided by Buckeye Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Buckeye-Polymers-BP-FLEX-D5518-R-848-Thermoplastic-Polyolefin.php](http://www.lookpolymers.com/polymer_Buckeye-Polymers-BP-FLEX-D5518-R-848-Thermoplastic-Polyolefin.php)

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	ASTM D955
Melt Flow	15 - 19 g/10 min	15 - 19 g/10 min	ASTM D1238
Ash	2.0 - 7.0 %	2.0 - 7.0 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 12.0 MPa	>= 1740 psi	ASTM D638
Flexural Modulus	0.4699 - 0.94975 GPa	68.15 - 137.75 ksi	ASTM D790
Izod Impact, Notched	>= 0.534 J/cm	>= 1.00 ft-lb/in	ASTM D256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Gardner Impact	>= 2.14 J/cm	>= 4.00 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Gardner Impact	>= 190 J	>= 140 ft-lb	ASTM D5420

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