

Buckeye Polymers BP FLEX D6017 T BLK 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. 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-D6017-T-BLK-Thermoplastic-Polyolefin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 - 0.940 g/cc	0.910 - 0.940 g/cc	ASTM D792
Linear Mold Shrinkage	0.0095 - 0.012 cm/cm	0.0095 - 0.012 in/in	ASTM D955
Melt Flow	15 - 19 g/10 min	15 - 19 g/10 min	ASTM D1238
Ash	3.0 - 7.0 %	3.0 - 7.0 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54 - 62	54 - 62	ASTM D2240
Tensile Strength, Yield	>= 15.2 MPa	>= 2200 psi	ASTM D638
Flexural Modulus	>= 0.655 GPa	>= 95.0 ksi	ASTM D790
Izod Impact, Notched	>= 1.33 J/cm	>= 2.50 ft-lb/in	ASTM D256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	>= 5.34 J/cm	>= 10.0 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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