

Buckeye Polymers BP FLEX D7030 BLK Thermoplastic Elastomer TPV

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Elastomer , TPE , Thermoplastic Vulcanizate Elastomer (TPV)

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 resistanceAvailable UV resistanceModerate abrasion resistanceWide service range from -20°C to 120°CHigh impact resistance
Appearance: Black
Recycled Content: No
Forms: Pellets
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-D7030-BLK-Thermoplastic-Elastomer-TPV.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 - 0.915 g/cc	0.900 - 0.915 g/cc	ASTM D792
Melt Flow	2.0 - 5.0 g/10 min	2.0 - 5.0 g/10 min	ASTM D1238
Ash	<= 5.0 %	<= 5.0 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54 - 58	54 - 58	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength, Yield	>= 0.124 MPa	>= 18.0 psi	ASTM D638
Flexural Modulus	>= 0.925 GPa	>= 134 ksi	ASTM D790
Izod Impact, Notched	>= 1.33 J/cm	>= 2.50 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Gardner Impact	>= NB	>= NB	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Gardner Impact	>= 407 J	>= 300 ft-lb	ASTM D5420
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Gardner Impact	>= 434 J	>= 320 ft-lb	ASTM D5420
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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