

Buckeye Polymers BP FLEX D5618 T RXF 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 resistance Good UV resistance Low density Wide service range from -20°C to 120°C Appearance: Black Forms: Round or Strand Cut Gala 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-D5618-T-RXF-Thermoplastic-Polyolefin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 - 1.07 g/cc	1.02 - 1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	ASTM D955
Melt Flow	21 - 27 g/10 min	21 - 27 g/10 min	ASTM D1238
Ash	17 - 23 %	17 - 23 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52 - 58	52 - 58	ASTM D2240
Tensile Strength, Yield	>= 13.8 MPa	>= 2000 psi	ASTM D638
Flexural Modulus	>= 0.951 GPa	>= 138 ksi	ASTM D790
Izod Impact, Notched	>= 3.74 J/cm	>= 7.00 ft-lb/in	ASTM D256
Gardner Impact	>= 271 J	>= 200 ft-lb	ASTM D5420

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