

Aaron Industries AAROPRENE® ATPR ECATPR2040 Black Thermoplastic SEBS Rubber

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

AAROPRENE® ATPR 2000 Series Elastomeric Compound Features: A black, thermoplastic SEBS Rubber compound specifically designed for the injection molding of industrial gaskets.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROPRENE-ATPR-ECATPR2040-Black-Thermoplastic-SEBS-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Melt Flow	15 g/10 min	15 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	ASTM D2240
Tensile Strength at Break	6.21 MPa	900 psi	ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
Modulus of Elasticity	2.76 GPa	400 ksi	ASTM D412
Tensile Modulus	0.00124 GPa	0.180 ksi	ASTM D412
Taber Abrasion, mg/1000 Cycles	290	290	ASTM D1044

Processing Properties	Metric	English	Comments
Feed Temperature	79.4 °C	175 °F	
Nozzle Temperature	235 °C	455 °F	
Injection Pressure	3.45 - 4.83 MPa	500 - 700 psi	
Back Pressure	0.345 MPa	50.0 psi	
Cycle Time - Injection	1.0 sec	1.0 sec	
Screw Speed	40 rpm	40 rpm	

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