

Trelleborg E450 EPDM Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

EPM -- EPDM or Ethylene -- Propylene Rubber. EPM can only be vulcanized by peroxides or radiation; whereas EPDM can be vulcanized conventionally using sulphur. Properties: Excellent inherent high and low temperature ranges. Special compounding can increase some grades to function continually at +140°C. P's are inherently resistant to attack by oxygen, U.V., Ozone and extreme weather environments, and will give long service in these conditions. E.P's do not have good adhesion properties and expert advice should be sought from Trelleborg's Technical Department about bounding applications. Resistance to Chemicals; resistant to many chemicals and solvents. Good resistance to many corrosive chemicals. The performance of E.P's in hot water and high pressure steam is better than in dry heat. All information provided by Trelleborg

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-E450-EPDM-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength, Yield	9.00 MPa	1310 psi	
Elongation at Break	500 %	500 %	
Tear Strength	19.0 kN/m	108 pli	
Compression Set	40 %	40 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

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