

Trelleborg B500 Commercial Nitrile Rubber

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

Material Notes:

Nitrile rubber or acrylonitrile-butadiene rubber is a copolymer of butadiene and acrylonitrile. Properties Good general resistance to oils. Good mechanical properties especially tensile strength, flexing, compression set and impermeability to gases. Moderate aging properties, and good adhesion to metal characteristics. Good adhesion to metal. Moderate resistance to cold. Resistance to Chemicals; good resistance to inorganic chemical products except antioxidant agents and chlorine, and has satisfactory resistance to general hydrocarbons. Being a polar rubber means it is not recommended for use with polar liquids like ketones, ethers and amines. Limited resistance to aromatic hydrocarbons. All information provided by Trelleborg

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-B500-Commercial-Nitrile-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	
Tensile Strength, Yield	4.00 MPa	580 psi	
Elongation at Break	350 %	350 %	
Tear Strength	15.0 kN/m	85.6 pli	
Compression Set	50 % @Temperature 70.0 °C, Time 79200 sec	50 % @Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

Descriptive Properties	Value	Comments
Color	Black	

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