

Trelleborg Z500 Commercial SBR Rubber

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

Material Notes:

Styrene-butadiene Rubber is a co-polymer of styrene and butadiene. Properties Its general properties are similar to those of natural rubber, but it is more resistant to aging and temperature, and like natural rubber, these properties can be improved further by careful compounding. Due to its unsaturated molecular structure SBR materials tend to have only moderate resistance to tearing, ozone and general weathering. They do not have the same resilience as natural rubber. Resistance to chemicals; good resistance to many inorganic chemical products. Limited resistance to mineral oils, but is not recommended for use with oxidizing acids and general organic liquids. All information provided by Trelleborg

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Z500-Commercial-SBR-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	
Tensile Strength, Yield	8.50 MPa	1230 psi	
Elongation at Break	400 %	400 %	
Tear Strength	30.0 kN/m	171 pli	
Abrasion	125	125	mm ³ ; 5 N Load
Compression Set	40 % @Temperature 70.0 °C, Time 79200 sec	40 % @Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

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