

Freudenberg Simrit N470 Hydrocarbon Elastomer Nitrile

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

Material Notes:

Standard Nitrile is also known as Buna-N. Excelent resistance to petroleum-based oils and fuels, water and alcohols. Nitrile also has good resistance to acids and bases, except those with a strong oxidizing effect. Avoid highly polar solvents (Acetone, MEK, etc.) and direct exposure to ozone and sunlight.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Freudenberg-Simrit-N470-Hydrocarbon-Elastomer-Nitrile.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	
Tensile Strength, Ultimate	15.9 MPa	2310 psi	
Elongation at Break	370 %	370 %	
Compression Set	14 % @Temperature 200 Â°C, Time 252000 sec	14 % @Temperature 392 Â°F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Minimum Service Temperature, Air	-40.0 Â°C	-40.0 Â°F	

Descriptive Properties	Value	Comments
Color	Black	

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