

Freudenberg Simrit Simriz® 485 Universal FFKT Perfluoroelastomer Compound

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Perfluoro elastomers " or FFKM for short " have an ideal combination of characteristics, with their excellent chemical resistance, high level of temperature resistance, and high levels of elasticity. Simriz® perfluoro elastomers close the material gap between inelastic PTFE and elastomers, which have poor temperature and chemical resistance properties. With a fluoridation level of 72%, FFKM elastomers have a level of resistance close to that of pure PTFE at 76%. At the same time, FFKM materials are so elastic that they are excellently suited to both static and dynamic seals. Simrit offers ISC O-Rings which are specifically optimised with respect to flexibility at low temperatures, resistance to high temperatures, hardness, tensile strength, elongation, compression set, or color. Information provided by Freudenburg-NOK.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Freudenberg-Simrit-Simriz-485-Universal-FFKT-Perfluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	
Tensile Strength, Ultimate	18.5 MPa	2680 psi	
Elongation at Break	195 %	195 %	
Compression Set	25 % @Temperature 200 Â°C	25 % @Temperature 392 Â°F	70 hr

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Â°C	500 Â°F	
Minimum Service Temperature, Air	-15.0 Â°C	5.00 Â°F	

Descriptive Properties	Value	Comments
Color	Black	
Water Resistance	5.1	70 h; 200Â°C

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