

## Freudenberg Simrit Simriz® 487 High Temperature 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-487-High-Temperature-FFKT-Perfluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Freudenberg-Simrit-Simriz-487-High-Temperature-FFKT-Perfluoroelastomer-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	
Tensile Strength, Ultimate	18.7 MPa	2710 psi	
Elongation at Break	170 %	170 %	
Compression Set	26 % @Temperature 275 Â°C	26 % @Temperature 527 Â°F	70 hr

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 Â°C	572 Â°F	
Minimum Service Temperature, Air	0.000 Â°C	32.0 Â°F	

Descriptive Properties	Value	Comments
Color	Black	
Water Resistance	1.9	70 h; 200Â°C

## Contact Songhan Plastic Technology Co.,Ltd.

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