

## DuPont Performance Polymers Kalrez® 8575 FFKM Perfluoroelastomer

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

### Material Notes:

Kalrez® Sahara™ 8575 is specially formulated for improved performance in etching, ashing and stripping processes, offers lower cost of ownership with reduced contamination and longer seal life. This white perfluoroelastomer compound utilizes a new proprietary polymer and crosslinking system. It offers reduced weight loss, particle generation and outgassing, as well as improved elastic recovery properties. Kalrez® Sahara™ 8575 exhibits excellent resistance to both oxygen and fluorine plasma as well as chlorinated cleaning gasses (e.g., ClF3). It has excellent vacuum and long-term sealing performance, good mechanical properties and is well-suited for both static and dynamic sealing applications (e.g., gas inlets, chamber lids, slit valve doors, etc.). A maximum continuous service temperature of 300°C is suggested. Ultrapure post-cleaning and packaging is standard for all parts made of Kalrez® Sahara™ 8575. Information provided by manufacturer. This former DuPont Dow Elastomers product line is now produced by DuPont Performance Elastomers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Kalrez-8575-FFKM-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-8575-FFKM-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	74	74	ASTM D2240, D1414 (O-ring data)
Tensile Strength, Ultimate	12.0 MPa	1740 psi	20 in/min; ASTM D412 (dumbbells)
Elongation at Break	230 %	230 %	20 in/min; ASTM D412 (dumbbells)
100% Modulus	0.00250 GPa	0.363 ksi	20 in/min; ASTM D412 (Dumbbells)
Compression Set	25 % @Temperature 204 °C	25 % @Temperature 399 °F	675 hr; ASTM D395B & D 1414 (214 O-rings)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 °C	572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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