

## DuPont Performance Polymers Kalrez® 8475 FFKM Perfluoroelastomer

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

### Material Notes:

Kalrez® Sahara™ 8475 has been specifically developed to meet the challenging requirements associated with sealing applications in semiconductor thermal processes (i.e., diffusion furnace, LPCVD, RTP, lamp anneal, etc.) It exhibits excellent thermal stability and long-term sealing performance, less IR absorption and significantly reduced outgassing properties at elevated temperatures. Kalrez® Sahara™ 8475 has good mechanical properties and is well-suited for static and low stress/low sealing force applications (e.g., quartz tube seals, ball joint seals, bell jar seals, plenum seals, etc.) A maximum continuous service temperature of 300°C is suggested. Ultrapure postcleaning and packaging is standard for all parts made of Compound 8475. 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-8475-FFKM-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-8475-FFKM-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	72	72	ASTM D2240, D1414 (214 O-rings)
Tensile Strength, Ultimate	11.4 MPa	1650 psi	20 in/min; ASTM D412
Elongation at Break	225 %	225 %	20 in/min; ASTM D412
100% Modulus	0.00220 GPa	0.319 ksi	20 in/min; ASTM D412
Compression Set	45 % @Temperature 300 °C	45 % @Temperature 572 °F	70 hr; ASTM D395B & D 1414 (214 O-rings)

## Contact Songhan Plastic Technology Co.,Ltd.

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