

DuPont Performance Polymers Kalrez® 8002 FFKM Perfluoroelastomer

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

Material Notes:

Kalrez® 8002 is a specialty compound targeted specifically for select semiconductor plasma and gas deposition applications. This clear, unfilled compound offers very low particle generation in oxygen and fluorine-based plasmas versus mineral-filled compounds. Kalrez® 8002 exhibits excellent resistance to dry process chemistry, has good mechanical strength properties and is well suited for both static and low stress/low sealing force applications. A maximum continuous service temperature of 250°C (482°F) is suggested. Ultrapure postcleaning and packaging is standard for parts made from Kalrez® 8002. 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-8002-FFKM-Perfluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	JIS 6253 (Plied Slabs)
Tensile Strength, Ultimate	16.0 MPa	2320 psi	JIS 6251 (Dumbbells)
Elongation at Break	246 %	246 %	JIS 6251 (Dumbbells)
100% Modulus	0.00290 GPa	0.421 ksi	JIS 6251 (Dumbbells)
Compression Set	15 % @Temperature 204 °C	15 % @Temperature 399 °F	70 hr; ASTM D395B and D1414, (AS568A K214 O-rings)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 °C	482 °F	

Descriptive Properties	Value	Comments
Color	Clear	

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