DuPont Performance Polymers Kalrez® 9300 Fluoroelastomer

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

Material Notes:

DuPont™ Kalrez® 9300 perfluoroelastomer parts are a brown product for Dielectric (Oxide) Etch processes. It has been specifically designed for use in applications where the plasma environment is a combination of ions ("physical") and radicals ("chemical"), i.e., where a balance of "physical" and "chemical" plasma erosion resistance is typically required. Kalrez® 9300 exhibits excellent resistance to oxygen and fluorine-based plasma and etch process chemistry. It also offers very low metals content, excellent thermal stability and mechanical strength, and is well suited for both static and dynamic sealing applications. A maximum continuous service temperature of 300°C is suggested. Ultrapure post-cleaning and packaging is standard for all Kalrez® 9300 parts. Features/Benefits: Low erosion rate and ultra-low particle generation in ion/radical dominant oxygen and fluorine-based plasmas Excellent resistance to etch process chemistry Very low metals content Excellent thermal stability Excellent mechanical strength Suggested Applications Gas inlet/orifice seals Chamber lid seals Isolation valve seals Bonded gate valves/slit valve door seals

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-9300-Fluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	Plied slab; ASTM D2240
Hardness, Shore M	78	78	O-ring; ASTM D1414, ASTM D2240
Tensile Strength at Break	16.57 MPa	2403 psi	ASTM D1414, ASTM D412
Elongation at Break	215 %	215 %	ASTM D1414, ASTM D412
100% Modulus	0.00666 GPa	0.966 ksi	ASTM D1414, ASTM D412
Compression Set	20 % @Temperature 204 °C, Time 252000 sec	20 % @Temperature 399 °F, Time 70.0 hour	ASTM D1414 and ASTM D395B
	37 % @Temperature 250 °C, Time 252000 sec	37 % @Temperature 482 °F, Time 70.0 hour	ASTM D1414 and ASTM D395B

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

Descriptive Properties	Value	Comments
Color	Brown	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China