

## DuPont Performance Polymers Kalrez® 1045 Fluoroelastomer

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

### Material Notes:

DuPont™ Kalrez® 1045 perfluoroelastomer parts are a specialty white product that is reinforced with a mineral filler that is highly resistant to oxidizing environments (carbon black-filled products may be affected by black degradation in oxidizing media). Typical applications include sealing rocket propellants, hot oxidizing acids, wet halogens and halogenated gases. A maximum continuous service temperature of 260 C (500 F) is suggested. Performance Features/Benefits: Excellent resistance to highly oxidizing media, i.e., nitrogen tetroxide (N2O4), etc. Excellent resistance to hot oxidizing acids, i.e., red fuming nitric, etc., wet halogens and halogenated gases Good mechanical strength properties Good thermal stability Good compression set resistance

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Kalrez-1045-Fluoroelastomer.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-1045-Fluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	ASTM D2240
Tensile Strength at Break	15.16 MPa	2199 psi	ASTM D412
Elongation at Break	150 %	150 %	ASTM D412
100% Modulus	0.00827 GPa	1.20 ksi	ASTM D412
Compression Set	30 % @Temperature 204 °C, Time 252000 sec	30 % @Temperature 399 °F, Time 70.0 hour	ASTM D395B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	DuPont Test Method

Descriptive Properties	Value	Comments
Color	White	

## Contact Songhan Plastic Technology Co.,Ltd.

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