

DuPont Performance Polymers Kalrez® AeroSeal™ 7797 Fluoroelastomer

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

Material Notes:

DuPont™ Kalrez AeroSeal™ 7797 perfluoroelastomer parts are a specialty black product specifically targeted for use in applications requiring high hardness/higher modulus properties. It offers outstanding thermal stability and compression set resistance and has excellent seal force retention properties. It also offers excellent resistance to HTS (High Thermo-Oxidative Stability) gas turbine engine lubricating oils and has excellent response to temperature cycling effects. Kalrez AeroSeal™ 7797 has excellent mechanical properties and is well suited for both static and dynamic sealing applications. A maximum continuous service temperature of 325 C (617 F) is suggested. Short excursions to higher temperatures may also be possible. Performance Features/Benefits Outstanding thermal stability Outstanding compression set resistance Excellent seal force retention properties Excellent resistance to high thermo-oxidative stability (HTS) gas turbine engine lubricating oils Excellent response to temperature cycling effects Excellent mechanical properties Lower coefficient of thermal expansion (CTE) versus other Kalrez® products thus minimizing the need to increase the free volume of the seal gland when upgrading from fluoroelastomers (FKM) to perfluoroelastomers (FFKM).

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-AeroSeal-7797-Fluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength at Break	23.84 MPa	3458 psi	ASTM D1414, ASTM D412
Elongation at Break	77 %	77 %	ASTM D1414, ASTM D412
50% Modulus	0.01591 GPa	2.308 ksi	ASTM D1414, ASTM D412
Compression Set	11 % @Temperature 204 °C, Time 252000 sec	11 % @Temperature 399 °F, Time 70.0 hour	ASTM D1414 and ASTM D395B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	325 °C	617 °F	DuPont Test Method
Minimum Service Temperature, Air	-5.00 °C	23.0 °F	Retraction Temperature, Tr10; ASTM D1329

Descriptive Properties	Value	Comments
Color	Black	

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