

## DuPont Performance Polymers Kalrez® 7075 FFKM Perfluoroelastomer

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

### Material Notes:

Kalrez® Spectrum™ 7075 is designed specifically for the needs of the chemical processing industry. Compound 7075 broadens the family of Spectrum™ sealing options with a compound that has enhanced physical performance properties including very low compression set and improved seal force retention. To provide even greater sealing performance in dynamic applications where low friction is required, 7075 O-rings have a glossier finish than other Kalrez® parts. Kalrez® Spectrum™ 7075 is designed for general purpose use as an O-ring or custom-sealing component in the chemical and hydrocarbon processing industries. It is a carbon-black filled compound with mechanical properties designed for improving sealing performance in temperature cycling applications. 7075 has improved thermal resistance that extends maximum service temperature to 327°C. It is recommended that in each application the chemicals, service temperature and pressure be reviewed for the optimal compound selection. 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-7075-FFKM-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-7075-FFKM-Perfluoroelastomer.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70 - 80	70 - 80	
Tensile Strength, Ultimate	17.9 MPa	2600 psi	
Elongation at Break	160 %	160 %	
100% Modulus	0.00760 GPa	1.10 ksi	500 mm/min; ASTM D412
Compression Set	12 %	12 %	70 hr; ASTM D345B, pellets
	@Temperature 204 °C	@Temperature 399 °F	
	15 %	15 %	70 hr; ASTM D395B, O-rings
	@Temperature 204 °C	@Temperature 399 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	327 °C	621 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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