

DuPont Performance Polymers Kalrez® PV8070 Fluoroelastomer

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

Material Notes:

DuPont™ Kalrez® PV8070 perfluoroelastomer parts are a black product for PV cell manufacturing processes requiring high temperature resistance including doping for n-type layer formation (bulk c-Si), diffusion for diselenide thermal implantation (CGIS) and TCS-based thermal CVD for poly-silicon feedstock production. It exhibits outstanding thermal stability and has excellent (low) compression set and outgassing properties. It also offers excellent resistance to both chlorine and fluorine gas as well as other dry process chemistry. Kalrez® PV8070 perfluoroelastomer parts have excellent mechanical strength properties and are well suited for both static and dynamic sealing applications. A maximum continuous service temperature of 325 °C is suggested. Short excursions to higher temperatures may also be possible. Features/Benefits Outstanding thermal stability Excellent (low) compression set and outgassing properties Excellent resistance to dry process chemistry Excellent mechanical strength properties Suggested Applications Chamber lid and door seals Center ring seals and fittings Isolation valve seals Quartz tube seals Substrate handling pads

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Kalrez-PV8070-Fluoroelastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	83	83	ASTM D1414, ASTM D2240
Compression Set	9.0 %	9.0 %	ASTM D1414 and ASTM D395B
	@Temperature 204 °C, Time 252000 sec	@Temperature 399 °F, Time 70.0 hour	
	32 %	32 %	ASTM D1414 and ASTM D395B
	@Temperature 300 °C, Time 252000 sec	@Temperature 572 °F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	325 °C	617 °F	DuPont Test Method

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