

## Precision Polymer Engineering V71C Fluoroelastomer Compound

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

**Material Notes:**

Fluoroelastomer Rubber, 66-75 °IRHD. Terpolymer of vinylidene difluoride and hexafluoropropylene tetrafluoroethylene. Compounded to have extremely low temperature capability, Glass transition temperature -40 °C. Dependant on application, use temperature can be lower than this. Applications: Mouldings which are required to operate within the approximate temperature range of -40° and below to +225°C, in contact with air, petroleum, silicone and diester-based liquids. The material is not suitable for use in contact with certain phosphate-ester-based liquids.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-V71C-Fluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V71C-Fluoroelastomer-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	°IRHD, -7 change after 72 hours @ 250°C; ASTM D1415
	72	72	°IRHD; ASTM D1415
Tensile Strength, Yield	9.10 MPa	1320 psi	-30% change after 72 hours @ 250°C; ASTM D412
	13.0 MPa	1890 psi	ASTM D412
Elongation at Break	180 %	180 %	ASTM D412
	234 %	234 %	30% change after 72 hours @ 250°C; ASTM D412
Compression Set	18.2 %	18.2 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	225 °C	437 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Flash Point	>= 315 °C	>= 599 °F	

Descriptive Properties	Value	Comments
Low Temperature Glass Transition, °C	-40	

## Contact Songhan Plastic Technology Co.,Ltd.

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