

Vicone High Performance Rubber VicoFluor™ 57FK-GR High Performance Fluoroelastomer Rubber

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

Material Notes:

Meets ASTM D2000 fluoroelastomer 75 Durometer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoFluor-57FK-GR-High-Performance-Fluoroelastomer-Rubber.php

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in ³	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	ASTM D2240
Tensile Strength	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	287 %	287 %	ASTM D412
Compressive Modulus	0.0109 GPa	1.58 ksi	ISO-7743
	@Strain 5 %	@Strain 5 %	
	0.0117 GPa	1.70 ksi	
	@Strain 10 %	@Strain 10 %	
	0.0132 GPa	1.91 ksi	ISO-7743
	@Strain 20 %	@Strain 20 %	
	0.0153 GPa	2.22 ksi	ISO-7743
	@Strain 25 %	@Strain 25 %	
Compression Set	22 %	22 %	ASTM D395
	@Temperature 200 °C, Time 79200 sec	@Temperature 392 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -25.0 °C	<= -13.0 °F	passes at 3 min.; ASTM D2137

Descriptive Properties	Value	Comments
Color	Green	
Effect of Liquids - Change in Elongation (%)	-20	ASTM D471

Descriptive Properties	Value	Comments
Effect of Liquids - Change in Tensile Strength (%)	-23.4	ASTM D471; 23°C; 70 h
Effect of Liquids - Change in Volume after Oil Immersion (%)	4.2	ASTM D471
Heat Aging - Change in Elongation (%)	-9.3	ASTM D573; 275°C; 70h
Heat Aging - Change in Hardness (%)	3.5	ASTM D573; 275°C; 70h
Heat Aging - Change in Tensile Strength (%)	-1.5	ASTM D573; 275°C; 70h

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