

Precision Polymer Engineering V70Q Fluoroelastomer Compound

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

Material Notes:

Black, Fluoroelastomer Rubber, 66-75 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. ASTM designation = FKM. ISO designation = FPM. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA) in accordance with Code of Federal Regulations Title 21 (CFR21) Part 177.2600. Applications: FDA grade, formulated for use as product contact surfaces in dairy equipment.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V70Q-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	60 - 80	60 - 80	°IRHD, ±10 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	9.00 MPa	1310 psi	-25% change after 72 hours @ 250°C; ASTM D412
	12.0 MPa	1740 psi	ASTM D412
Elongation at Break	150 %	150 %	-25% change after 72 hours @ 250°C; ASTM D412
	200 %	200 %	ASTM D412
Compression Set	35 %	35 %	22 hours @ 175°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	
Flash Point	>= 315 °C	>= 599 °F	

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