

# Precision Polymer V70Q

Fluoroelastomer

Precision Polymer Engineering Ltd.

## Message:

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.

WRC approved for cold water applications. WRC Reference No: 0907521

FDA grade, formulated for use as product contact surfaces in dairy equipment.

General Information			
Features	Compliance of Food Exposure		
Uses	Non-specific food applications		
Agency Ratings	FDA 21 CFR 177.2600		
Appearance	Black		
Hardness	Nominal Value		Test Method
IRHD Hardness	70		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	200	%	ASTM D412, ISO 37
Compression Set			
175°C, 22 hr	35	%	ASTM D395B
175°C, 22 hr <sup>1</sup>	35	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 72 hr)	-25	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (250°C, 72 hr)	-25	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (250°C, 72 hr)	-10 - 10		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	200	°C	
Additional Information			
Minimum Operating Temperature: -20°C (-4°F)			
NOTE			
1. Type B			

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