

Greene FKM 927

Fluoroelastomer
Greene, Tweed & Co.

Message:
Greene FKM 927 is a Fluoroelastomer product. It is available in North America.

General Information			
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.81	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	13.4	MPa	ASTM D412
Tensile Strength (Break)	14.1	MPa	ASTM D412
Tensile Elongation (Break)	110	%	ASTM D412
Compression Set ¹			ASTM D395
23°C, 70 hr	19	%	
175°C, 70 hr	33	%	
175°C, 166 hr	22	%	
200°C, 22 hr	18	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (175°C, 70 hr)	-33	%	ASTM D573
Change in Ultimate Elongation in Air (276°C, 70 hr)	9.0	%	ASTM D573
Change in Durometer Hardness in Air (276°C, 70 hr)	3.0		ASTM D573
Change in Tensile Strength			ASTM D471
23°C, 70 hr, in Reference Fuel B	5.0	%	
175°C, 70 hr, in Stauffer 7700 Fluid	4.0	%	
Change in Ultimate Elongation			ASTM D471
23°C, 70 hr, in Reference Fuel B	6.0	%	
175°C, 70 hr, in Stauffer 7700 Fluid	4.0	%	
Change in Durometer Hardness			ASTM D471
23°C, 70 hr, in Reference Fuel B	0.0		
276°C, 70 hr, in Stauffer 7700 Fluid	-7.0		
Change in Volume			ASTM D471
23°C, 70 hr, in Reference Fuel B	1.0	%	
175°C, 70 hr, in Stauffer 7700 Fluid	15	%	
Thermal	Nominal Value	Unit	

Service Temperature	-29 to 232	°C	
Rubber Classification ²	FKM		
TR 10/50	-15	°C	ASTM D1329
NOTE			
1.	25% Deflection		
2.	ASTM D1418		

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