

Greene FKM 929

Fluoroelastomer
Greene, Tweed & Co.

Message:
Greene FKM 929 is a Fluoroelastomer product. It is available in North America.

General Information			
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	97		
Shore D	65		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.0	MPa	ASTM D412
Tensile Elongation (Break)	26	%	ASTM D412
Compression Set ¹			ASTM D395
100°C, 70 hr	34	%	
177°C, 70 hr	51	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ASTM D573
100°C, 70 hr	-10	%	
177°C, 70 hr	-5.0	%	
Change in Ultimate Elongation in Air			ASTM D573
100°C, 70 hr	11	%	
177°C, 70 hr	-9.0	%	
Change in Durometer Hardness in Air			ASTM D573
Shore A, 100°C, 70 hr	0.0		
Shore D, 100°C, 70 hr	-3.0		
Shore A, 177°C, 70 hr	0.0		
Shore D, 177°C, 70 hr	-4.0		
Change in Tensile Strength			ASTM D471
100°C, 70 hr, in ASTM #1 Oil	-2.0	%	
100°C, 70 hr, in ASTM #3 Oil	-4.8	%	
177°C, 70 hr, in ASTM #3 Oil	-11	%	
Change in Ultimate Elongation			ASTM D471
100°C, 70 hr, in ASTM #1 Oil	11	%	
100°C, 70 hr, in ASTM #3 Oil	8.6	%	
177°C, 70 hr, in ASTM #3 Oil	23	%	

Change in Durometer Hardness		ASTM D471
Shore A, 100°C, 70 hr, in ASTM #1 Oil	0.0	
Shore D, 100°C, 70 hr, in ASTM #1 Oil	-5.0	
Shore A, 100°C, 70 hr, in ASTM #3 Oil	0.0	
Shore D, 100°C, 70 hr, in ASTM #3 Oil	-5.0	
Shore A, 177°C, 70 hr, in ASTM #3 Oil	-1.0	
Shore D, 177°C, 70 hr, in ASTM #3 Oil	-7.0	

Change in Volume		ASTM D471
100°C, 70 hr, in ASTM Oil #1	0.80	%
100°C, 70 hr, in ASTM Oil #3	1.1	%
177°C, 70 hr, in ASTM Oil #3	3.2	%

Thermal	Nominal Value	Unit	
Service Temperature	-29 to 204	°C	
Rubber Classification ²	FKM		
Tear Strength - Die C	41.2	kN/m	ASTM D624

NOTE	
1.	25% Deflection
2.	ASTM D1418

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