



Fusion® 927

Sealing Systems

Compound No./Material Name: Fusion® 927	Rubber Classification: (ASTM D1418): FKM	Service Temperature Range: −20°F to 450°F (−29°C to 232°C)	Color: Black
Description (ASTM Standard)		Typical	
Original Properties			
Specific Gravity (D792)		1.84	
Hardness Shore A, Points (D2240)		91	
Tensile Strength, psi [MPa] (D412)		2,023 [14.0]	
Elongation, % (D412)		145	
Modulus @ 100% Elongation, psi [MPa] (D412)		1,456 [10.0]	
TR 10/50, °F [°C] (D1329)		+5 [−15]	
Air Aging			
70 Hours @ 528°F [276°C]	Hardness Change, Points (D573)	+3	
	Tensile Change, % (D573)	−33	
	Elongation Change, % (D573)	+9	
Fluid Aging			
70 Hours @ 347°F [175°C], in Stauffer 7700	Hardness Change, Points (D471)	−7	
	Tensile Change, % (D471)	+4	
	Elongation Change, % (D471)	+4	
	Volume Change, % (D471)	+15	
70 Hours @ Room Temperature, in Reference Fuel B	Hardness Change, Points (D471)	0	
	Tensile Change, % (D471)	+5	
	Elongation Change, % (D471)	+6	
	Volume Change, % (D471)	+1	
Compression Set @ 25% Deflection			
70 Hours @ Room Temperature, in Air, % of Original Deflection (D395)		19	
166 Hours @ 347°F [175°C], in Air, % of Original Deflection (D395)		22	
22 Hours @ 392°F [200°C], in Air, % of Original Deflection (D395)		18	
70 Hours @ 347°F [175°C], in Stauffer 7700, % of Original Deflection (D395)		33	

Notes:

- Material is tested per specification AMS 7259. For customers who require full certification to the specification, AMS 7259 compliance must be specifically identified at time of quote and purchase orders must state AMS 7259 compliance is required.
- Unless otherwise noted, all tests performed on ASTM slabs and buttons.

Greene Tweed

1684 South Broad Street, PO Box 1307 | Lansdale PA 19446 USA | Phone: (+1) (215) 256-9521 | www.gtweed.com

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

© 2022, Greene Tweed all rights reserved. All trademarks are property of their respective owners.

4/22-GT TPS-US-AS-017