



Fusion™ 761 Sealing Solutions

Compound No./Material Name: Fusion™ 761	Rubber Classification: (ASTM D1418): FKM	Service Temperature Range: -40°F to 450°F (-40°C to 232°C)	Color: Black
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Description		Typical
Original Properties (ASTM Standard)		
Specific Gravity (D297)		1.80
Hardness, Type A, Points (D2240)		75
Hardness, Type M, Points (D2240)		77
Tensile Strength @ Break, psi [MPa] (D1414)		2,325 [16.0]
Elongation, % (D1414)		185
Modulus @ 50% Elongation, psi [MPa] (D1414)		360 [2.5]
Modulus @ 100% Elongation, psi [MPa] (D1414)		1,000 [6.9]
TR 10/50, °F [°C]		-26 [-32]
Coefficient of Linear Thermal Expansion, 10 ⁻⁵ in./in.-°F [10 ⁻⁵ cm/cm-°C] (E228)		12 [21.6]
Coefficient of Friction (D1894, Method C)	Static	1.21
	Kinetic	1.12
Air Aging (ASTM Standard)		
70 Hours @ 528°F [276°C]	Hardness Change, Type A, Points (D573)	-1
	Tensile Change, % (D573)	-25
	Elongation Change, % (D573)	-8
	Weight Change, % (D573)	-8
Fluid Aging (ASTM Standard)		
70 Hours @ 392°F [200°C] in Reference Oil 300	Hardness Change, Type A, Points (D471)	-6
	Tensile Change, % (D471)	-12
	Elongation Change, % (D471)	+13
	Volume Change, % (D471)	+15
70 Hours @ 75°F [24°C] in TT-S-735 Type III (Reference Fuel B)	Hardness Change, Type A, Points (D471)	-2
	Tensile Change, % (D471)	-12
	Elongation Change, % (D471)	+2
	Volume Change, % (D471)	+2.3
Compression Set @ 25% Deflection (ASTM Standard)		
70 Hours @ 75°F [24°C], in Air, % of Original Deflection, % (D1414)		7
166 Hours @ 347°F [175°C], in Air, % of Original Deflection, % (D1414)		24
22 Hours @ 392°F [200°C], in Air, % of Original Deflection, % (D1414)		12

Note: Specification: AMS-R-83485, Type I. Unless otherwise noted, all tests performed on ASTM slabs and buttons.

Contact Us

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