



Fluoraz[®] 799 FEPM Sealing Solutions

Compound No./Material Name: Fluoraz[®] 799	Rubber Classification: (ASTM D1418): FEPM*	Service Temperature Range: 20°F to 450°F (-7°C to 232°C)	Color: Black
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Description		Typical
Original Properties (ASTM Standard)		
Specific Gravity (D297)		1.65
Hardness, Shore A, Points (D2240)		90
Tensile Strength, psi [MPa] (D412)		3,000 [20.7]
Elongation, % (D412)		120
Modulus @ 100% Elongation, psi [MPa] (D412)		2,625 [18.1]
TR 10/50, °F [°C] (D1329)		44 [7]
Air Aging (ASTM Standard)		
70 Hours @ 528°F (276°C)	Hardness Change, Points (D573)	+2
	Tensile Change, % (D573)	-48
	Elongation Change, % (D573)	-9
Fluid Aging (ASTM Standard)		
70 Hours @ 347°F (175°C) In Stauffer 7700	Hardness Change, Points (D471)	-16
	Tensile Change, % (D471)	-24
	Elongation Change, % (D471)	+28
	Volume Change, % (D471)	+18
70 Hours @ 275°F (135°C) In MIL-H-5606	Hardness Change, Points (D471)	-17
	Tensile Change, % (D471)	-25
	Elongation Change, % (D471)	+22
	Volume Change, % (D471)	+19
70 Hours @ 275°F (135°C) In ATF	Hardness Change, Points (D471)	-6
	Tensile Change, % (D471)	-8
	Elongation Change, % (D471)	+21
	Volume Change, % (D471)	+7
Compression Set @ 25% Deflection (ASTM Standard)		
70 Hours @ Room Temperature, In Air, % of Original Deflection, % (D395)		18
166 Hours @ 347°F (175°C), In Air, % of Original Deflection, % (D395)		36
22 Hours @ 392°F (200°C), In Air, % of Original Deflection, % (D395)		35
70 Hours @ 392°F (200°C), In Air, % of Original Deflection, % (D395)		40

Unless otherwise noted, all tests performed on ASTM Slabs and Buttons.
*Formerly AFKM, per ASTM D1418 Designations.

Contact Us

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