



Fluoraz[®] 790A Sealing Solutions

Compound No./Material Name: Fluoraz[®] 790A	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 (D792)		1.6
Hardness Type A, Points (D2240)		95
Tensile Strength, psi [MPa] (D412)		3500 [24.1]
Elongation, % (D412)		125
Modulus @ 50% Elongation, psi [MPa] (D412)		1550 [10.7]
TR 10/50, °F [°C] (D1329)		40 [4]
Air Aging (ASTM Standard)		
70 Hours @ 528°F [275°C]	Hardness Change (D573)	0
	Tensile Change, % (D573)	-46
	Elongation Change, % (D573)	-11
Fluid Aging (ASTM Standard)		
70 Hours @ 347°F [175°C], in Stauffer 7700	Hardness Change, Points (D471)	-11
	Tensile Change, % (D471)	-27
	Elongation Change, % (D471)	+28
	Volume Change, % (D471)	+21
70 Hours @ 275°F [135°C], in MIL-H-5606	Hardness Change, Points (D471)	-11
	Tensile Change, % (D471)	-27
	Elongation Change, % (D471)	+21
	Volume Change, % (D471)	+23
70 Hours @ 275°F [135°C], in Ford ATF	Hardness Change, Points (D471)	-3
	Tensile Change, % (D471)	-16
	Elongation Change, % (D471)	+18
	Volume Change, % (D471)	+8
70 Hours @ 275°F [135°C], in Wagner 21B	Hardness Change, Points (D471)	-8
	Tensile Change, % (D471)	-21.7
	Elongation Change, % (D471)	+33.6
	Volume Change, % (D471)	+8.3

Contact Us

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12/18-GT TPS-US-EN-003



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Description	Typical
Compression Set @ 25% Deflection (ASTM Standard)	
70 Hours @ Room Temperature, in Air, % of Original Deflection, % (D395)	16
166 Hours @ 347°F [175°C], in Air, % of Original Deflection, % (D395)	27
22 Hours @ 392°F [200°C], in Air, % of Original Deflection, % (D395)	21

Notes:

- 1. Unless otherwise noted, all tests performed on ASTM slabs and buttons.*
- 2. *Formerly AFKM, per ASTM D1418 Designations.*

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