

SEALING SOLUTIONS

PRELIMINARY

EPM 893 Typical Properties

Rubber Classification (ASTM D1418): **EPM** | Color: **Black** | Service Temperature Range: **-89°F to 302°F (-67°C to 150°C)**

Description		ASTM Standard	Units	Typical
Original Properties				
Specific Gravity		D792	—	1.2
Hardness, Type A, Button		D1414	Points	86
Tensile Strength @ Break		D1414	psi [MPa]	1885 [13.0]
Elongation @ Break		D1414	%	147
Modulus @ 100% Elongation		D1414	psi [MPa]	1102 [7.6]
TR 10/50		D1329	°F [°C]	-67 [-55]
Glass Transition (Tg)		D3418	°F [°C]	-72 [-58]
Air Aging	**O-rings**			
72 Hrs. @ 302°F [150°C], in Air	Hardness Change, Type A	D1414	Points	3
	Tensile Change	D1414	%	-10
	Elongation Change	D1414	%	-7
Compression Set @ 25% Deflection				
22 Hrs. @ 250°F [121°C], in Air, % of Original Deflection		D1414	%	14
70 Hrs. @ 250°F [121°C], in Air, % of Original Deflection		D1414	%	17
Rapid Gas Decompression				
ISO 23936-2 Annex B and NORSOK M710 Rapid Gas Decompression, -312 O-rings		—	—	Rating 0000 – Pass

Notes:

1. Unless otherwise noted, all tests performed on -214 O-rings.
2. Preliminary Typical Properties. To be re-evaluated after sufficient production data is available.

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