Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

TITLE: Evaluation of Parker Compound N0702-90 to ASTM D2000 7BG915 B14 EO14 EO34 EO51 EO61 L14

PURPOSE: To obtain results relative to subject specification.

CONCLUSION: Parker Compound N0702-90 meets or exceeds all requirements of this ASTM specification.

Recommended Temperature Range: -30 to 275F

Recommended for: petroleum oils, water (up to 212F), Salt & Alkali solutions, weak acids

Not Recommended for: aromatic fuels, strong acids, glycols, ozone, polar solvents

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REPORT DATA

Test	**N0702-90**		**7BG915 B14 E14**	
Original Physical Properties	**2-214 O-Rings Results**		**E34 E51 E61 L14**	
Hardness, Shore A	89		85 - 95	
Tensile Strength, Mpa (psi)	13.9	(2013)	10.3	(1500)
Elongation, %	114		100	
Heat Age Test, 70 Hrs @ 212 F				
Hardness Change	+3		+/- 15	
Tensile Strength Change	+4		+/- 30	
Elongation Change	-20		-50 max	
Compression Set, 22 Hrs @ 212 F - 2-214 O-ring				
Permanent Set @ 25% Deflection	22.9		25 max (button)	
Fluid Immersion, ASTM #1 Oil, 70 Hrs @ 212 F				
Hardness Change	-4		-5 to +15	
Tensile Strength Change	-13		-25 max	
Elongation Change	-3		-45 max	
Volume Change	-1.2		-10 to +25	
Fluid Immersion, ASTM #3 Oil, 70 Hrs @ 212 F				
Hardness Change	-7		-10 to +5	
Tensile Strength Change	0		-45 max	
Elongation Change	+38		-45 max	
Volume Change	+9.4		0 to +25	
Fluid Immersion, ASTM Fuel A, 70 Hrs @ 72 F				
Hardness Change	-1		+/- 10	
Tensile Strength Change	-21.		-25 max	
Elongation Change	-24		-25 max	
Volume Change	+1.5		-5 to +10	
Fluid Immersion, ASTM Fuel B, 70 Hrs @ 72 F				
Hardness Change	-9		0 to -30	
Tensile Strength Change	-39		-60 max	
Elongation Change	-18		-60 max	
Volume Change	+22		0 to +40	

Fluid Immersion, Distilled Water, 70 Hrs @ 212 F		
Hardness Change	-4	+/- 10
Volume Change	+6.1	+/- 15