Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1793

TITLE: Evaluation of Parker Compound C1124-70 to AMS 3209H

PURPOSE: To show compliance of all phases of specification.

CONLUSION: Parker Compound C1124-70 meets or exceeds all phases of the specification.

Recommended temperature limits: -60°F to 250 °F

Recommended For
Carbon Dioxide
Ammonia
Refrigerants
Silicone oil and grease
Water and water solvents at low temperatures

Not Recommended For
Aromatic hydrocarbons, e.g, benzene
Chlorinated hydrocarbons
Polar solvents, e.g. ketones, esters, ethers, acetones

Parker O-Ring Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

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	AMS 3209H Specification	C1124-70 Test Results
Basic Physical Properties		
Hardness	70 ±5	70
Tensile Strength, psi.	1700	1782
Elongation, % min.	200	250
Modulus @ 100%, psi	1/	495
Tear Resistance, lb./in.	2/	206
Specific Gravity	3/	1.44
Compression Set, 70 H @ 212°F		
% Max. Deflection	70	32.4
Heat Aging, 70 H @ 212°F		
Hardness Change, pts	0 to +10	+4
Tensile Change, %	-20	-5.5
Elongation Change, %, max.	-50	-7.6
Flat Bend	4/	Pass
Fluid Immersion, ASTM #3 Oil, 70 H @ 212 °F		
Tensile Change, %, max	-50	-25.9
Elongation Change, % max.	-40	-0.4
Volume Change, % max.	+40 to +100	+44.1
Decomposition	None	Pass
Surface Tackiness	None	Pass
Low Temperature Resistance, 3 min. @ -35 °C		
Brittleness	Pass	Pass

1/ 20% of pre-production value
2/ 80% of pre-production value
3/ ±.02 of pre production value
4/ N cracking or checking

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