



MATERIAL REPORT

REPORT NUMBER: DD3970

DATE: 9/26/1989

TITLE: Evaluation of Parker Compound B0318-70 tested to AMS 3238D.

PURPOSE: To document conformance.

CONCLUSION: Parker Compound B0318-70 is capable of meeting these requirements.

Recommended temperature limits: -75 to +250 F

Recommended For
AMS 3238
Vacuum and Gas

Not Recommended For
Petroleum Oils
Di-Ester base lubricants



Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

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	AMS 3288 D Pass / Fail Limits	Parker B0318-70
<u>Basic Physical Properties</u>		
Hardness	70 ± 5	69
Tensile Strength, psi	1500 min	1860
Elongation, %	300 min	370
Specific Gravity	1.16-1.20	1.19
Tear Die B, psi	80% of original	259 (pass)
<u>Heat Aging, 70 H @ 212 F</u>		
Hardness Change, pts	0 to +10	78(+6)
Tensile Change, psi, %	-20 max	1820 (-2)
Elongation Change, %	-40 max	261(-29)
Compression Set, %	85 max	48
<u>Fluid Immersion, TRI-N-Butyl, 70 H @ 212 F</u>		
Hardness Change, pts	0 to 30	52(-20)
Tensile Change, psi, %	-30 max	1530(-18)
Elongation Change, %	-20 max	312 (-16)
Volume Change, %	0 to +30	+17
<u>Low Temperature Brittleness D2137 Method A</u>	Pass	Pass