



# 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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	<u>AMS 3288 D</u> <u>Pass / Fail Limits</u>	<u>Parker</u> <u>B0318-70</u>
<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</u> <u>D2137 Method A</u>	Pass	Pass

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