



MATERIAL REPORT

Date: 01/10/1991

TITLE: Evaluation of Parker Compound EJ151-80 (formerly 3958)

PURPOSE: To obtain general data for EJ151-80.

Recommended temperature limits: -70°F to 250 °F

Recommended For

Hot water and steam

Glycol based brake fluid

Many organic and inorganic acids

Cleaning agents, soda and potassium alkalis

Phosphate –ester based hydraulic fluids

Silicone oil and grease

Polar solvents

Ozone, Aging and weather resistance

Not Recommended For

Mineral oil products



REPORT DATA

	<u>EJ151-80 Test Platen</u> <u>Results</u>
<u>Basic Physical Properties</u>	
Hardness, Shore A, pts.	79
Tensile Strength, psi	1850
Elongation, %	140
Modulus @ 100%, psi	1100
<u>Dry Heat Resistance, 70 H @ 212 °F</u>	
Hardness Change, pts.	-2
Tensile Change, %	-9
Elongation Change, %	+1
<u>Dry Heat Resistance, 70 H @ 302 °F</u>	
Hardness Change, pts.	+6
Tensile Change, %	-6
Elongation Change, %	-7
<u>Compression Set, 70 H @ 257 °F</u>	
Percent of original deflection (0.103 C/S o-ring)	34
Percent of original deflection (0.139 C/S o-ring)	12
Percent of original deflection (0.210 C/S o-ring)	17
Percent of original deflection (0.275 C/S o-ring)	16
<u>Fluid Immersion, Distilled Water, 70 H @ 212 °F</u>	
Hardness Change, pts.	0
Tensile Change, %	-2
Elongation Change, %	+7
Volume Change, %	+2
<u>Fluid Immersion, Methanol, 70 H @ RT</u>	
Hardness Change, pts.	-1
Tensile Change, %	-15
Elongation Change, %	-3
Volume Change, %	+1
<u>Fluid Immersion, DOT 3 Brake Fluid, 70 H @ 257 °F</u>	
Hardness Change, pts.	-1
Tensile Change, %	-5
Elongation Change, %	-9
Volume Change, %	+4
<u>Fluid Immersion, DOT 5 Brake Fluid, 70 H @ 257 °F</u>	
Hardness Change, pts.	-7
Tensile Change, %	-7
Elongation Change, %	+1
Volume Change, %	+6



REPORT DATA

Low Temperature Brittleness

TR-10, °F

-60

Low Temperature Brittleness

Nonbrittle after 3 min. @ -67 °F

Passed