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Compound Data Sheet Parker O-Ring Division United States

MATERIAL REPORT

Report Number: KK2155 Date: 11/07/91

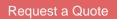
- TITLE: Evaluation of Parker Compound E0515-80 to ASTM D200 line call out M2AA819 A13 EA14 F17
- **PURPOSE:** To verify that E0515-80 meets the above specification.
- **CONLCUSION:** Parker Compound E0515-80 meets or exceeds all phases of the specification.

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

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





REPORT DATA

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BASIC REQUIREMENT Hardness, Shore A, pts. Tensile Strength, MPa (psi.) Elongation, %	<u>SPECIFICATION</u> 80 ± 5 10 (1450) 150	E0515-80 <u>RESULTS</u> 82 12.8 (1855) 181
COMPRESSION SET <u>22 HRS @ 70°C (158°F)</u> Max., %	50	8.4
A13, HEAT AGE <u>70 HRS @ 70°C (158°F)</u> Hardness Change, pts Tensile Change, % Elongation Change, %	± 15 ± 30 - 50	0 - 20.3 - 25.4
EA14, WATER RESISTANCE <u>70 HRS @ 100°C (212°F)</u> Volume Change, %	10	4
F17, LOW TEMP BRITTLENESS <u>3 MIN @ -40°C (-40°F)</u> Non Brittle	Pass	Pass