



Request a Quote

Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1635

DATE: 1/11/84

TITLE: Evaluation of Parker Compound E0751-65 for dynamic and static drive belt applications.

PURPOSE: To verify Parker Compound E0751-65 is ideal for dynamic and static drive belt applications.

CONCLUSION: Parker Compound E0751-65 exhibits good drive belt properties.

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



Request a Quote

Compound Data Sheet

Parker O-Ring Division United States

REPORT DATA

Report Number: KK1635

| | | PARKER COMPOUND |
|--|--------------|------------------------------------|
| | | <u>*DBA E0751-65⁽¹⁾</u> |
| Specific Gravity, G | | 1.12 |
| DYNAMIC STRESS RELAXATION ⁽²⁾ | | |
| Initial Stress, 120 p.s.i. | | 19% |
| STATIC STRESS RELAXATION ⁽³⁾ | | |
| Initial Stress, 120 p.s.i. | <u>TEMP.</u> | |
| | 75°F | 9.6% |
| | 150°F | 19.4% |
| | 180°F | 29.3% |
| FLEX LIFE RATING | | Good |
| MAXIMUM TEMPERATURE | | 180°F |
| Hardness, Shore A, pts. | | 65 ± 5 |
| Tensile Strength, psi. | | 1600 |
| Elongation, % | | 300 |
| Modulus @ 100%, psi | | 300 |
| RESISTANCE TO: ⁽⁴⁾ | | |
| Petroleum Fluids | | Poor |
| Silicone Fluids | | Excellent |
| Water | | Excellent |
| Ozone | | Excellent |
| Abrasion | | Good |

* Parker designation for Drive Belt Application

(1) ALL VALUES SHOWN ARE TYPICAL. DO NOT USE FOR SPECIFIC LIMITS.
Specimens: 2-153 O-rings.

(2) After three days dynamic testing at room temperature. Motor pulley pitch diameter: .611"
Speed: 1740 rpm. Cast iron driven pulley pitch diameter: 2.623".
Duty cycle: 4 minutes on, 15 seconds off. Load: Inertia of cast iron pulley.

(3) After 48 hours, static testing at temperature indicated. Two ½" diameter pulleys.

(4) For information on resistance of these materials to other fluids, see fluid compatibility tables, Parker Seal O-Ring Handbook, ORD-5700.

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