



MATERIAL REPORT

REPORT NUMBER: KK1635

DATE: 1/11/84



CONTACT US

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



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		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⁾	<u>TEMP.</u>	
Initial Stress, 120 p.s.i.	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.