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
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Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA
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		PARKER COMPOUND *DBA E0751-65(1)
Specific Gravity, G		1.12
DYNAMIC STRESS RELAXATION (2)		
Initial Stress, 120 p.s.i.		19%
STATIC STRESS RELAXATION(3)	TEMP.	
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.

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