



MATERIAL REPORT



DATE: April 2000

CONTACT US

TITLE: Evaluation of Parker Compound E1561-60 (63446) to ASTM D2000 M3DA614 A26 B36 EA14 F19 G11 G21 Z1 Z2

PURPOSE: To verify Parker Compound E1561-60 meets all phases of the above specification.

CONCLUSION: Parker Compound E1561-60 meets or exceeds all phases of the above 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



Compound Data Sheet
Parker O-Ring Division United States

REPORT DATA

	Compound E1561	Specification
Originals		
Hardness, Durometer	63	60 +/- 5
Tensile Strength, Mpa	15.2	14 min
Modulus @ 100% Elongation, Mpa	2.1	2.0 min
Elongation, %	345	300 min
Specific Gravity	1.10	As recorded
NSF61 Approved (Z2)	Yes	Yes
BS 6920 (WRAS/WRc Approved) (Z1)	Yes	Yes

Heat Aged 70 hrs @ 150 C		
Change in Hardness, pts	+2	+10 max
Change in Tensile Strength, %	-2	-20 max
Change in Elongation, %	-11	-20 max

Compression Set 22 hrs @ 150 C		
Compression Set, % (1/2" buttons)	12	25 max
Compression Set, % (Plied Slabs)	18	25 max

Aging in Distilled Water 70 hrs @ 100 C		
Change in Hardness, pts	-4	N/R
Change in Tensile Strength, %	+5	N/R
Change in Elongation, %	0	N/R
Change in Volume, %	+2.59	+/- 5

Tear Strength		
Die 'B' (kN/m)	38	17 min
Die 'C' (kN/m)	37	17 min

Low Temperature Brittleness		
Non-Brittle after 3 min @ -55 C	Pass	Pass
TR-10 (C)	-42 C	-40 or lower

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