Request a Quote

Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:
DATE: 01/02/97

TITLE: Evaluation of Parker Compound V1476-75 to ASTM D2000 M2HK710 A1-10 B37 B38 EF 31 E078 Z1 Z2

PURPOSE: To determine if V1476-75 meets the requirements.

CONCLUSION: Compound V1476-75 meets the ASTM D2000 callout.

Recommended temperature limits: -15^0F to 400^0F

Recommended For

Petroleum, mineral, and vegetable oils
Silicone fluids
Aromatic hydrocarbons (benzene, toluene)
Chlorinated hydrocarbons
High vacuum
Ozone, weather, and aging resistance

Not Recommended For
Hot water and steam
Auto and aircraft brake fluids
Amines
Ketones
Low molecular weight esters and ethers

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:

	ASTM D2000 **M2HK 710 A1-10 B37 B38 EF31 E078 Z1 Z2** Pass / Fail Limits	**V1476-75** Slab Results
Basic Physical Properties		
Hardness	75 +/- 5 (Z1)	75
Tensile Strength, psi min	1450	1719
Elongation, % min	175	177
A1-10 Heat Aging, 70 HRS @ 250^{0}C		
Hardness Change, pts max	+10	+3
Tensile Change, % max	-25	+6
Elongation Change, % max	-25	-5
B37 Compression Set, 22 HRS @ 175^{0}C		
% of Original Deflection, max	50	9
B38 Compression Set, 22 HRS @ 200^{0}C		
% of Original Deflection, max	50	13
EF31, ASTM Ref. Fuel C, 70 HRS @ 23^{0}C		
Hardness Change, pts	+/-5	-2
Tensile Change, % max	-25	-9
Elongation Change, % max	-20	-11
Volume Change, %	0 to +10	+4
E078, Fluid Resistance, #101 Oil, 70 HRS @ 200^{0}C		
Hardness Change, pts	-15 to +5	-5
Tensile Change, % max	-40	-10
Elongation Change, % max	-20	-11
Volume Change, %	0 to +15	+12
(Z2) Heat Resistance, 70 HRS @ 275^{0}C		
Hardness Change, pts max	+10	+5
Tensile Change, % max	-40	-10.4
Elongation Change, % max	-20	-9.5
Basic Oil Immersion, ASTM #3 Oil, 70 HRS @ 150^{0}C		
volume change	+10 max	+2

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