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Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER:

DATE: 02/19/99

TITLE: Evaluation of Parker Compound V1263-75 to ASTM D2000
M7HK710 A1-10 B38 EF31 Z1 Z2

PURPOSE: To determine if V1263-75 meets the requirements.

CONCLUSION: Compound V1263-75 meets the ASTM D2000 callout.

Recommended temperature limits: -15⁰F to 400⁰F

Recommended For

Flex fuels

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

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	ASTM D2000 M7HK 710 A1-10 B38 EF31 Z1 Z2 Pass / Fail Limits	V1263-75 Slab Results
<u>Basic Physical Properties</u>		
Hardness	75 +/- 5 (Z1)	75
Tensile Strength, MPa min	10	12.4
Elongation, % min	175	325
100% Modulus, MPa	Not required	3.3
<u>Heat Aging, 70 HRS @ 250°C</u>		
Hardness Change, pts max	+10	+2
Tensile Change, % max	-25	-18.2
Elongation Change, % max	-25	-4.0
<u>Compression Set ASTM D395, Method B, 22 HRS @ 200°C, plies</u>		
% of Original Deflection, max	20	14.0
<u>Fluid Resistance, ASTM Ref. Fuel C, 70 HRS @ 23°C</u>		
Hardness Change, pts	+/-5	-1
Tensile Change, % max	-25	-4
Elongation Change, % max	-20	-2
Volume Change, %	0 to +10	+1.3
<u>(Z2) Fluid Immersion, 50/50 by volume Ref. Fuel C/Methanol, 70 HRS @ 23°C</u>		
Volume Change, % max	+10	+7.9