



MATERIAL REPORT

DATE: 12/1/2002

TITLE: Evaluation of Parker Compound N1565-75 (formerly 67027) in various reference fuels and oils.

PURPOSE: To obtain results relative to subject specification.

CONCLUSION: Parker Compound N1565-75 offers very low swell in fuel applications.

Recommended Temperature Range: -30 to 225 F

Recommended for: petroleum oils, cold water,
Salt & Alkali solutions, weak acids, gasoline

Not Recommended for: strong acids,
glycols, ozone, polar solvents

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REPORT DATA

Report Number:

<u>ORIGINAL PHYSICAL PROPERTIES</u>	M6BK710 B14 B34 EF11 EF21 <u>Z1 Z2 Z3 Z4</u>	N1565-75 <u>PLATENS</u>
Hardness, Shore A, pts.	70 ± 5	70
Tensile Strength, MPa.	10.0	13.1
Z1, Ultimate Elongation, % min	200	252
Z2, UL Approved	Yes	Yes
<u>COMPRESSION SET, 22 HRS. @ 100 °C, METHOD B, Plied Disk</u>		
% of Original Deflection, max.	25	12
<u>COMPRESSION SET, 22 HRS. @ 100 °C, METHOD B, Solid Button</u>		
% of Original Deflection, max.	25	6
<u>FLUID IMMERSION, FUEL A, 70 HRS. @ R.T.</u>		
Hardness Change, pts	± 5	+1
Tensile Strength Change, % max	-20 max	-9
Elongation Change, %, max	-20 max	-10
Volume Change, %	± 5	- 1
<u>FLUID IMMERSION, FUEL B, 70 HRS. @ R.T.</u>		
Hardness Change, pts., max.	0 to -20	-10
Tensile Strength Change, %, max.	-50	-20
Elongation Change, %, max	-50	-18
Volume Change, %, max	0 to +25	+13
<u>FLUID IMMERSION, ASTM #1 Oil 70 HRS. @ 100 °C</u>		
Hardness Change, pts	-5 to +15	+13
Tensile Strength Change, % max	- 25 max	+5
Elongation Change, %, max	- 45 max	-27
Volume Change, %	-15 to +5	-12
<u>FLUID IMMERSION, IRM 903 Oil 70 HRS. @ 100 °C</u>		
Hardness Change, pts, max	-5 to +15	+9
Tensile Strength Change, %, max.	-35	+3
Elongation Change, %, max	-40	-21
Volume Change, %, max	-10 to +5	-7