Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK2192
DATE: 10/18/93

TITLE: Evaluation of Parker Compound V1006-75 to AMS 7255

PURPOSE: To determine conformance.

CONCLUSION: Parker Compound V1006-75 meets the requirements of AMS 7255.

Recommended Temperature Range: 25 to 450F

Recommended for: bases, sour oil & gas, steam, phosphate esters, amines, petroleum oils, acids, ozone, alcohols

Not Recommended for: aromatic fuels, ketones, carbon tetrachloride, ethers, non-polar solvents, acetic acid, organic acetates

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REPORT DATA

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ORIGINAL PROPERTIES	AMS 7255 SPECIFICATION	2-214 RESULTS	ASTM SPECIMENS
Hardness, Shore A, pts	75 ± 5	78	
Tensile Strength, MPa (psi), min	11.0 (1600)	12.0 (1746)	
Elongation, %, min	150	242	
Specific Gravity	Preproduction Value ± .02		
Corrosion		Nil	Nil
SYNTHETIC OIL RESISTANCE, AMS 3021, AKZO BLEND 7700, 70 HRS. @ 175° C (347° F)			
Hardness Change, pts., max.	-20	-11	
Tensile Change, %, max.	-30	-19	
Elongation Change, %, max	-20	+33	
Volume Change, %	0 to +28	+18	
OIL RESISTANCE ASTM REF OIL #3 70 HRS. @ 150° C (302° F)			
Hardness Change, pts., max.	0 to -12	-7	
Tensile Change, %, max.	-20	-8	
Elongation Change, %, max	-20	+35	
Volume Change, %	0 to +15	+12	
HYDRAULIC FLUID RESISTANCE, AS1241 TYPE IV CLASS II, CHEVRON HY-JET IV-A 70 HRS. @ 107° C (225° F)			
Hardness Change, pts., max.	-20	-17	
Tensile Change, %, max.	-40	-34	
Elongation Change, %, max	-20	+24	
Volume Change, %	0 to +30	+29	
DRY HEAT RESISTANCE 70 HRS. @ 250° C (482° F)			
Hardness Change, pts., max.	± 5	+1	
Tensile Change, %, max.	-20	+17	
Elongation Change, %, max	-20	+36	
Weight Change, %	-5	-3	
ALKALINE FLUID RESISTANCE 50% NaOH SOLUTION 70 HRS. @ 100° C (212° F)			
Hardness Change, pts., max.	± 5	+3	
Tensile Change, %, max.	-10	+25	
Elongation Change, %, max	-5	+22	
Volume Change, %	0 to +3	+0	

COMPRESSION SET, 22 HRS @ 175° C (347° F)			
% of Original Deflection	30	25	
COMPRESSION SET, 168 HRS @ 175° C (347° F)			
% of Original Deflection	45	41	
COMPRESSION SET, 22 HRS @ 200° C (392° F)			
% of Original Deflection	35	24	
LOW TEMP RESISTANCE			
TR - 10° C (°F), max.	+4 (+39)	+2 (+36)	
Brittle Point, °C (°F), max.	-35 (-31)	----	Pass