Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK1885
DATE: 05/01/87

TITLE: First Article Test Report for Compound L1120-70 to MIL-R_25988B, Class I, Grade 70.

PURPOSE: To Determine if compound meets MIL-R-25988B.

CONCLUSION: Parker Compound L1120-70 meets all phases of the specification.

Recommended temperature limits: -100 °F to 350 °F

Recommended For
Aromatic mineral oils (IRM 903 oil)
Petroleum oils
Low molecular weight automatic hydrocarbons (benzene, toluene)
Jet Fuels
Chlorinated Solvents
Dry heat and low temp

Not Recommended For

Phosphate-esters
Acids
Ketones
Amines (ammonia)
Auto and aircraft brake fluids

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Lexington, Kentucky 40509
(859) 269-2351

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	MIL-R-25988B , CL I, Gr 70 Requirements	L1120-70 2-214 o-ring Results
Basic Physical Properties		
Hardness	70±5	69
Tensile Strength, psi.	750	990
Elongation, %	125	219
Temperature Retraction, °F, max	-70	-73.3
Specific Gravity	As Determined	1.55
Compression Set After Air Aging, 70 H @ 75°F ± 5°F		
Compression Set, %, max.	15	
Under 0.110 “	15	5.0
After Air Aging, 70 H @ 392 °F ± 5°F		
Hardness Change, pts	+10, -5	+6
Tensile Change, %	25	0
Elongation Change, %	25	-23.3
Weight Loss, % max	2	-0.6
Compression Set, % max After Air Aging, 22 H @ 347°F		
Under 0.110 “	30	
Over 0.110”	30	8.8
After Air Aging in AMS 3021, 70 H @ 302°F		
Hardness Change, pts	±15	-8
Tensile Change, %	40	-23.3
Elongation Change, %	25	-13.2
Volume Change, %	1 to 15	+8.2
Compression Set, %, max		
Under 0.110 “	30	
Over 0.110”	30	13.8
Fluid Immersion, 22 H @ 75 °F in TT-S-735, Type III		
Hardness, Change, pts, max	-20	-9
Tensile, Decrease, % max	45	-23.3
Elongation, Decrease, % max	35	0
Volume, Change, %	1 to 25	+18.2

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