Compound Data Sheet
Parker O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK2200
DATE: 5/18/1998

TITLE: First Article Test Report for Compound L1223-60 to MIL-R-25988B, Type 1, Class 1, GR 60

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

CONCLUSION: Parker Compound L1223-60 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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	MIL-R-25988B Ty I, CL I, Gr 60 Requirements	L1223-60 2-214 o-ring Results
Basic Physical Properties		
Hardness	60 ±5	60
Tensile Strength, psi.	700	1066
Elongation, %	150	286
Temperature Retraction, °F, max	-70	-82
Specific Gravity	As Determined	1.46
Compression Set After Air Aging, 70 H @ 75°F		
Under 0.110 “	20	5.9
Over 0.110”	15	5.5
After Air Aging, 70 H @ 392 °F		
Hardness Change, pts	+10, -5	0
Tensile Change, %	25	-11.2
Elongation Change, %	25	-.3
Weight Loss, % max	2	-1.8
Compression Set, % max After Air Aging, 22 H @ 347°F		
Under 0.110 “	45	11.8
Over 0.110”	40	11.8
After Air Aging in AMS 3021, 70 H @ 302°F		
Hardness Change, pts	±15	-6
Tensile Change, %	45	-26.8
Elongation Change, %	30	-6.6
Volume Change, %	1 to 15	6.8
Compression Set , %, max		
Under 0.110 “	50	5.9
Over 0.110”	45	6.7
After Air Aging, 22 H @ 75 °F in TT-S-735, Type III		
Hardness, Change, pts, max	-20	-5
Tensile, Decrease, % max	50	-37.2
Elongation, Decrease, % max	40	-23.8
Volume, Change, %	1 to 25	18