COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division, North America

MATERIAL REPORT

Report Number: 122930
Test Date: 8/8/2017
Report Date: 8/14/2017

Title: Evaluation of Parker Compound C0944-70

Elastomer Type: Chloroprene (CR)

Purpose: To obtain typical test data.

Specification: ASTM D2000 M3BC710 A14 B14 EO14 EO34 G21

Color: Red

Recommended Temperature Range: -35°F to 250°F

Recommended For: Paraffin based mineral oil with low DPI, silicone oil, grease, water and water solvents at lower temperatures, refrigerants, ammonia, carbon dioxide, improved ozone, weather and aging resistance when compared to nitrile. Limited compatibility with naphthalene based mineral oil (IRM 902 and IRM 903), glycol based brake fluids,

Not Recommended For: Aromatic hydrocarbons (benzene), chlorinated hydrocarbons, (trichloroethylene), and polar solvents (ketones, esters, ethers).

Additional Approvals: None

REPORT DATA

Original Physical Properties	**Test Method**	**Spec Limits**	**Test Results**
Hardness, Shore A, pts.	ASTM D2240	70±5	70
Tensile Strength, MPa, min	ASTM D412	10	14
Ultimate Elongation, %	ASTM D412	250	285
Modulus 100%	ASTM D412	Report	697
(G21) Tear Strength, Die B			
kN/m, min.	ASTM D624	26	38
(B14) Compression Set			
22 hrs. @ 100°C	ASTM D395		
Percent of Original Deflection, max	Method B	35	23
(E014) Fluid Immersion			
IRM 901, 70 hrs. @ 100°C			
Hardness Change, pts.	ASTM D471	±10	-7
Tensile Change, %		-30	-2
Elongation Change, %		-30	-4
Volume Change, %		-10 to +15	+6
(EO34) Fluid Immersion			
IRM 903, 70 hrs. @ 100°C			
Hardness Change, pts.	ASTM D471	-	-20
Tensile Change, %		-60	-32
Elongation Change, %		-50	-27
Volume Change, %		+100	+63
(A14) Dry Heat Resistance			
70 hrs. @ 100°C			
Hardness Change, pts.	ASTM D471	+15	0
Tensile Change, %		-15	+3
Elongation Change, %		-40	0