COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division United States

MATERIAL REPORT

TITLE: General evaluation of Parker Hifluor compound HF355-65.

PURPOSE: Test compound HF355-65 for resistance to high and low temperature extremes.

CONCLUSION: Parker's Hifluor compound HF355-65 offers excellent resilience and stability over a wide range of temperature environments.

Temperature Range: -15 to 400°F

Recommended For: Oils and greases made from petroleum or synthetic hydrocarbon base stock, silicone fluids, acids, bases, alcohols, ozone and weathering, aromatic hydrocarbon fuels and solvents, chlorinated hydrocarbon solvents, aggressive polar solvents (MEK, acetone, etc.), automotive brake fluid, aircraft hydraulic fluids.

Not Recommended For: Fluorinated refrigerant gases, perfluorinated ether fluids, molten alkali metals.

Additional Approvals: USP VI, FDA

Parker O-Ring & Engineered Seals Division
2360 Palumbo Drive
Lexington, Kentucky 40509
(859) 269-2351

REPORT DATA

Compound: HF355-65

Original Physical Properties	**ASTM Test Method**	**Results (AS568-214)**
Hardness, Shore A	D2240	67
Tensile Strength, psi	D1414	1173
Elongation at Break, %	D1414	262
Modulus @ 100% Elongation, psi	D1414	274
Specific Gravity	D297	1.94
Dry Heat Resistance		
70 Hrs. @ 257°F		
Hardness Change, pts.	D471	+4
Tensile Strength Change, %	D471	+5
Elongation Change, %	D471	+1
Modulus Change, %	D471	+4
Weight loss, % max	D471	0
Compression Set		
22 Hrs. @ 347°F		
Loss of Original Deflection, %	D395 Method B	8
Compression Set		
22 Hrs. @ 392°F		
Loss of Original Deflection, %	D395 Method B	12
Compression Set		
168 Hrs. @ 347°F		
Loss of Original Deflection, %	D395 Method B	16
Compression Set		
168 Hrs. @ 392°F		
Loss of Original Deflection	D395 Method B	40
Compression Set		
168 Hrs. @ 446°F		
Loss of Original Deflection, %	D395 Method B	90
Low Temperature Retraction		
TR-10, °F	D1329	-5
TR-50, °F	D1329	+6
TR-70, °F	D1329	+9