Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

TITLE: General of Parker ULTRA perfluoroelastomer compound FF580-75.

PURPOSE: Test compound FF580-75 and competitive for resistance to high temperature steam.

CONCLUSION: Parker's FFKM compound FF580-75 offers excellent resilience and stability over a wide range of temperature environments.

Temperature Range: +5 to 525°F

Recommended For: Oils and greases made from petroleum or synthetic hydrocarbon base stock, silicone fluids, acids, bases, hot water, steam, 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.

Parker O-Ring Division
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Lexington, Kentucky 40509
(859) 269-2351

Request a Quote

REPORT DATA

Date: 8/18/2010
Compound: FF580-75

Original Physical Properties	ASTM Test Method	Results (AS568-214)
Hardness, Shore A	D2240	74
Tensile Strength, psi	D1414	1542
Elongation at Break, %	D1414	222
Modulus @ 100% Elongation, psi	D1414	417
Fluid Resistance, Saturated Steam		
168 Hrs. @ 375° F		
Hardness Change, pts.	D471	-4
Tensile Strength Change, %	D471	-15
Elongation Change, %	D471	+5
Modulus Change, %	D471	-8
Volume Change, % max	D471	0

Date: 2/8/2011
Compound: FF580-75

Original Physical Properties	ASTM Test Method	Results (AS568-214)
Hardness, Shore A	D2240	75
Fluid Resistance, Saturated Steam		
336 Hrs. @ 257° F		
Hardness Change, Shore A pts	D471	+2
Volume Change, %		+1
Fluid Resistance, Saturated Steam		
70 Hrs. @ 375° F		
Hardness Change, Shore A pts	D471	+2
Volume Change, %		0
Fluid Resistance, Saturated Steam		
70 Hrs. @ 500° F		
Hardness Change, Shore A pts	D471	+1
Volume Change, %		-4
Visual Observations		No noticeable Degradation