



# Test Report



October 2000

**Parker Compound:** FF500-75

**Temperature Range:** -15°C to 275°C (5°F to 525°F)

**Test Samples:** 2-214 Size O-Rings (unless otherwise specified)

**Specifications:** General Properties

**Compound Descriptions:** Black, Broad Chemical Resistance, 75 Shore A Parofluor Ultra™, Perfluorinated Elastomer

Property	Typical Results
<b>Original Properties, ASTM D1414</b>	
Shore A Hardness	80
Tensile Strength, MPa	14.1
Elongation, %	135
Modulus at 100% Elongation, MPa	8.7
<b>Compression Set, 22 hours at 230°C, ASTM D395 Method B, 2-214 Size O-Rings</b>	
% Permanent Set	23
<b>Compression Set, 70 hours at 200°C, ASTM D395 Method B, 2-214 Size O-Rings</b>	
% Permanent Set	19
<b>Low Temperature Retraction, ASTM D1329</b>	
TR-10 in degrees C	-1
<b>Volume Change, 70 hours at room temperature, ASTM D471</b>	
Acetone, % Volume Change 0.1	MTBE, % Volume Change 0.5
Methyl Ethyl Ketone, % Volume Change 0.2	Glacial Acetic Acid, % Volume Change 0.3
Methanol, % Volume Change 0.2	Conc. Phosphoric Acid, % Volume Change 0.1
Benzene, % Volume Change 0.3	50/50 by Volume, MEK/Methanol, % Volume Change 0.7
Toluene, % Volume Change 0.3	Tetrahydrofuran (THF), % Volume Change 0.6
Dichloromethane, % Volume Change 0.9	Styrene Monomer, % Volume Change 0.3
Chloroform, % Volume Change 0.6	Methyl Methacrylate Monomer, % Vol. Change 0.3
Ethyl Acetate, % Volume Change 0.4	

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Parker Hannifin Corporation  
 O-Ring Division  
 2360 Palumbo Drive, Lexington, KY 40509  
 Phone: (859) 269-2351 Fax: (859) 335-5128  
[www.parofluor.com](http://www.parofluor.com)

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