



## Elastomer Compatibility

### Linear Swelling, %

*150 °F, 14 Days*

<u>Elastomer</u>	<u>RF 150</u>	<u>Mineral Oil</u>
Neoprene W	10.1	12.6
Buna N	0.60	1.00
Hypalon 40	4.80	7.60
Butyl Rubber	21.2	27.0

### Weight Gain, %

*150 °F, 4 Months*

<u>Material</u>	<u>RF 150</u>	<u>Mineral Oil</u>
Neoprene	10	13
Nylon 66	-1	-1
Mylar	0	0
Buna N	0	2
Viton A	0	0
Polypropylene	10	12

## Sealed Tube Stability, % R-22

*Synthetic Alkylate Fluids*

	<u>RF 150</u>	<u>RF 300</u>	<u>Mineral Oil</u>
% R-22, 14 Days	0.02	0.03	0.60



## Falex Test Results<sup>1</sup>

*(Run to Failure)*

<u>Product</u>	<u>Load Capability (LBS)</u>
RF 150 with 1.25% S8478*	1300
RF 300	560
RF 300 with 1.25% S8478*	1350
2.00% S8478*	1310
1.25% S8478* (R-12 Bubble)	1330
2.0% S8478*	1330
0.1% Lubrizol 1097	880
0.5% S8478*	1075
Mobil DTE	1240

*\*Synoad 8478*

*<sup>1</sup>All with R-22 bubbled through unless otherwise indicated*

## RF 150

### Shell Four-Ball Wear Test

*(ASTM D-2266)<sup>1</sup>*

<u>Oil</u>	<u>Scar Diameter, mm</u>
RF 150	0.50
RF 150, 0.5% S8478*	0.22
RF 300	0.45
RF 300, 0.5% S9478*	0.25
Mineral Oil	0.50

*<sup>1</sup> 1800 RPM, 5 Kg, 75 °C (158 °F), 1 Hour*

*\* Synoad 8478*

