COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division, North America

MATERIAL REPORT

Test Date: 4/5/2016
Test number: 115287

Title: Evaluation of Parker Compound VX065-75

Elastomer Type: Fluorocarbon (FKM)

Purpose: To obtain typical test data.

Color: Black

Specification: ASTM D2000 M3HK710 A1-10 B38 EF31 E078 Z1 Z2 Z3 Z4
Z1 = 75±5 durometer, Z2 = 120% min elongation
Z3 = TR-10, Z4 = 1100 psi tensile strength

Recommended Temperature Range: -65°F to 400°F

Recommended For: Jet fuel, HTS oil, mineral oil and grease, IRM 901 oil, IRM 902 oil, IRM 903 oil, nonflammable hydraulic fluids, silicone oils and greases, aliphatic hydrocarbons (propane, butane, natural gas), aromatic hydrocarbons (benzene, toluene), chlorinated hydrocarbons (trichloroethylene and carbon tetrachloride), gasoline, high vacuum, ozone, weather, and aging resistance.

Not Recommended For: Glycol based brake fluids, ammonia gas, amines, alkalis, superheated steam, and low molecular weight organic acids (formic and acetic acids).

REPORT DATA

Original Physical Properties:	**Test Method**	**Spec Limits**	**Results**
(Z1) Hardness, Shore A, pts	ASTM D2240	75±5	75
(Z4)Tensile Strength, psi, Min	ASTM D412	1100 (7.5)	1658
(Z2) Ultimate Elongation, % Min	ASTM D412	120	174
(A1-10) Heat Age			
70 hrs @ 482°F (250°C)	ASTM D573		
Hardness Change, points, Max		+10	0
Tensile Strength Change, %, Max		-25	-12
Elongation Change, %, Max		-25	-13
(B38) Compression Set:			
22 hrs @ 392°F (200°C) Plied	ASTM D395		
Percent of Original Deflection, Max		20	5
(Z3) Low Temperature	ASTM D1329		
TR-10, °F (°C)		Report	-49 (-45)
(EF31) Fluid Resistance			
Fuel C, 70 hrs @ 73°F (23°C)	ASTM D471		
Hardness Change, points, Max		±5	0
Tensile Strength Change, %, Max		-25	-23
Elongation Change, %, Max		-20	-2
Volume Change, %, Max		0 to +10	9
(E078) Fluid Resistance			
Service Fluid 101	ASTM D471		
70 hrs @ 392°F (200°C)			
Hardness Change, points, Max		-15 to +5	0
Tensile Strength Change, %, Max		-40	-14
Elongation Change, %, Max		-20	-13
Volume Change, %, Max		0 to +15	6