



MATERIAL TEST REPORT

Material ref: FK8500

Description: 75 duro FEPM, Black
(Made from DuPont Viton® Extreme ETP-S)

DuPont's Viton® Extreme ETP-S is an upgrade to ETP-900 and significantly improves processing and end use performance. It also maintains excellent fluid resistance.

Excellent resistance to acid, hydrocarbon and low molecular weight esters, ketones and aldehydes.

Inherent resistance to base attack and volume changes in highly caustic solutions and amines.

This elastomer is an excellent choice where standard FKM's or FEPM's are not an option.

	Test Method	Unit of Measure	Obtained Value
Hardness	ASTM D2240	Shore A	78
Tensile Strength	ASTM D412	psi	1776
Ult. Elongation	ASTM D412	%	284
Specific Gravity		g/cm ³	1.839
Compression Set 22 hours at 200C 22 hours at 175C	ASTM D 395B	%	38 33
Heat Resistance 70 hours at 250C	ASTM D573		
Hardness change:		points	+4
Tensile change:		%	+26
Elong. Change		%	-24

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**Fluid Aging
Fuel C**

ASTM D471

70 hours at 23C

Hardness change:	points	-6
Tensile change:	%	-29
Elong. Change:	%	-29
Volume change:	%	+5

**Fluid Resistance
Fluid 101**

ASTM D471

70 hours at 200C

Hardness change:	points	-5
Tensile change:	%	-22
Elong. Change:	%	-2
Volume change:	%	+9

**Fluid Resistance
Fluid 7700**

ASTM D471

70 hrs at 200C

Hardness change:	points	-13
Tensile change:	%	-13
Elong. Change:	%	-5
Volume change:	%	+12

Note:

Test results are based on ASTM slabs and/or test buttons, not on actual parts.