

# Specification Sheet

**Description:** Flourine Rubber (FPM)  
**Material:** F01/000

<u>Property</u>	<u>Spec</u>	<u>Value</u>
Hardness	DIN 53505	85A
Hardness	DIN 53505	
Specific Gravity	DIN 53479	2.51 g/cm <sup>3</sup>
Tensile Strength	DIN 53504	14 N/mm <sup>2</sup>
Ultimate Elongation	DIN 53504	200%
20% Modulus	DIN 53504	N/mm <sup>2</sup>
100% Modulus	DIN 53504	10 N/mm <sup>2</sup>
300% Modulus	DIN 53504	N/mm <sup>2</sup>
Elasticity	DIN 53512	7%
Tear Strength	DIN 53507	6 N/mm <sup>2</sup>
Abrasion	DIN 53516	200mm <sup>3</sup>
Impact Resilience	DIN 53512	-
Compression Set 70C 22 Hrs	DIN 53517	-
Compression Set 100C 22hrs	DIN 53517	5%
Brittle Point	DIN 53479	-
Minimum Service Temp.		-20° C -4° F
Maximum Service Temp.		220° C 428° F
Color		RUST

## Description:

Flourine rubber, commonly known as Viton (a trade name of DuPont) is highly resistant to temperature, ozone, weathering and chemicals. FPM is more chemically resistant to all mineral-oil based and synthetic hydraulic fluids than virtually any other commonly used elastomer. This material is widely used with inflammable HFD fluids (phosphate ester or chlorinated hydrocarbons based). Seals can be manufactured in most all profiles and shapes using this chemical resistant material.