



# FKM / VITON A MATERIAL DATA SHEET

**Material Type:** Genuine Viton A®

Flow Smart Fluoroelastomer Rubber used in the manufacturing of sanitary gaskets has been tested and certified by Taxikon Laboratory to be in compliance with the criteria of the U.S. Pharmacopeia, Class VI Biological Test for Plastics.

**Application:** Provides high acid, steam and heat resistance. Seals are produced from this material for repeated use in the production of food and pharmaceutical products.

**Temperature Resistance:** Minimum Temperature -20 F °  
Maximum Temperature 410 F

**Compound Number:** FS-VITA-80-USP06

Property	Test Method	Results
Specific Gravity	ASTM D4894-89a	.85
Tensile Strength	ASTM D412	2500 psi
Elongation @ Break	ASTM D412	395%
Compression Set 24 Hrs at 392 F	ASTM D395	11%
Heat Resistance 72 Hours at 492 F Hardness Change Tensile Strength Change Elongation at Break Change	ASTM 573 ASTM D1415 ASTM D412 ASTM D412	±10 IRHD +30% -50%
Compressive Strength @ 5% Strain	ASTM D695	2,620 psi
Hardness	ASTM D1415	80 Shore A

\*The preceding data gives the typical properties of the selected FKM material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used only as a guide at your discretion and risk. Flow Smart cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.