



FKM / VITON MATERIAL DATA SHEET

Material Type: Genuine Viton®

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

Property	Test Method	Results
Specific Gravity	ASTM D4894-89a	1.8
Tensile Strength	ASTM D412	2000psi
Elongation at Break	ASTM D412	150%
Compression Set 24 Hrs at 392° F	ASTM D395	17%
Heat Resistance 72 Hrs 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 at 5% Strain	ASTM D695	2,620psi
Hardness	ASTM D1415	80 Shore A

Data Applies to Sanitary Gripper Gaskets molded with Radel and Viton materials, Part Numbers:

Size	Blue Part No.	Red Part No.	Yellow Part No.	Green Part No.
1/2"	GR-V-BE-050	GR-V-RD-050	GR-V-YW-050	GR-V-GN-050
3/4"	GR-V-BE-075	GR-V-RD-075	GR-V-YW-075	GR-V-GN-075
1"	GR-V-BE-100	GR-V-RD-100	GR-V-YW-100	GR-V-GN-100
1-1/2"	GR-V-BE-150	GR-V-RD-150	GR-V-YW-150	GR-V-GN-150
2"	GR-V-BE-200	GR-V-RD-200	GR-V-YW-200	GR-V-GN-200

*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.