

Technical Data Sheet

Viton™ A Rubber (WCMVA)

CHEMICAL DESCRIPTION: Vinylidene Fluoride-Hexafluoropropylene-co-polymer , FPM
 Minimum 66% Fluorine Content

PHYSICAL PROPERTIES

TENSILE STRENGTH:	≥7.0 (MPa)
SPECIFIC GRAVITY:	1.85
ELONGATION AT BREAK:	≥165%
TEAR RESISTANCE:	28 N/mm
HARDNESS RANGE:	75° Sh. A (+ or - 5°)
TEMPERATURE RANGE:	-20° - +250° C Continuous (+315° C Intermittent)
OZONE RESISTANCE:	Excellent
COMPRESSION SET: 22 Hrs @ 175° C	≥55%



CHEMICAL RESISTANCE

WATER:	Excellent
ACIDS:	Excellent
ALKALIS:	Good
OILS & HYDROCARBONS:	Good
FUELS AND PETROLEUM SOLVENTS:	Excellent - Limited Resistance to Biofuels
KETONES:	Poor
VOLUME SWELLING:	IRM Oil 901 % IRM Oil 903%
70 HOURS @ 150°C	≥2 ≥10

This is a high priced speciality polymer. It is used almost exclusively where resistance to very high temperature is required and where resistance to petroleum and chlorinated solvents is necessary although care should be taken when using with Biofuels.

Viton is a trademark of The Chemours Company

ELASTOMERS

Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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