

Technical Data Sheet

FKM Rubber (WCMFCOM)

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

PHYSICAL PROPERTIES

TENSILE STRENGTH: ≥7.0 (MPa)
 SPECIFIC GRAVITY: 1.93
 ELONGATION AT BREAK: ≥200%
 TEAR RESISTANCE: 28 N/mm
 HARDNESS RANGE: 75° Sh. A (+ or - 5°)
 TEMPERATURE RANGE: -30° - +232° C (2,000 Hrs)
 +316° C (48 Hrs)
 OZONE RESISTANCE: Excellent
 COMPRESSION SET: 44%
 24 Hrs @ 200° C



CHEMICAL RESISTANCE

WATER: Excellent
 ACIDS: Excellent
 ALKALIS: Good
 OILS: Excellent
 FUELS AND PETROLEUM SOLVENTS: Excellent - Limited Resistance to Biofuels
 KETONES: Poor
 CHANGE OF VOLUME: IRM Oil 901 % IRM Oil 903%
 72 HOURS @ 100°C -1.9 -0.4

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.

ELASTOMERS

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

Contact

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