

Technical Data Sheet

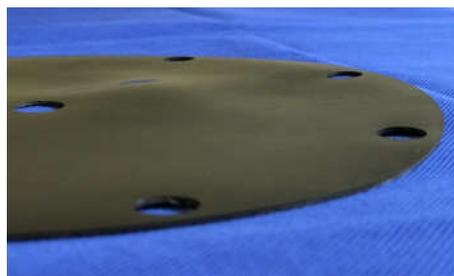
Nomex Reinforced FKM Rubber (WCMFKM/NOMEX)

CHEMICAL DESCRIPTION:

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

PHYSICAL PROPERTIES

TENSILE STRENGTH:	≥7.0 (MPa)
SPECIFIC GRAVITY:	1.84
ELONGATION AT BREAK:	≥175%
TEAR RESISTANCE:	22 N/mm
HARDNESS RANGE:	75° Sh. A (+ or - 5°)
TEMPERATURE RANGE: (Continuous)	-15° - +204° C
OZONE RESISTANCE:	Excellent
COMPRESSION SET: 22 Hrs @ 175° C	30%



CHEMICAL RESISTANCE

WATER:	Excellent
ACIDS:	Excellent
ALKALIS:	Good
OILS:	Excellent
FUELS AND PETROLEUM SOLVENTS:	Excellent - Limited Resistance to Biofuels
NOMEX META – ARAMID FABRIC:	
Weight	154 g/m2 (+/-5%)
Weave	32 x 32 per inch (25.4mm)
Thickness	0.44mm (+/-0.03)
Tensile Strength	Warp - Weft 1000 N /50mm (+/-10%) 950 N /50mm (+/-10%)
Adhesion – Rubber to Fabric	3.7 Kgf / 25mm

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. The Nomex reinforcement gives this grade added strength.

ELASTOMERS



Certificate Number: 14352
ISO 9001



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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