

Technical Data Sheet

Fluoroelastomer copolymer(WCMFKM1)

CHEMICAL DESCRIPTION:

Type 1 FKM are fluorocarbon copolymers based on vinylidene fluoride and hexapropylene fluoride.

PROPERTIES

ASTM classification:

FKM Type 1

Typical applications:

General purpose seals for aerospace fuel and automotive applications (N.B. limited resistance to biofuels)

Advantages:

Excellent high temperature resistance
Good resistance to oils and most non-polar solvents
Excellent ozone and weathering resistance

Disadvantages:

Limited steam resistance
Poor resistance to methanol
Poor low temperature performance

Available hardness range (Sh. A):

50 - 95

Upper continuous service temp. (°C):

240

Min. temp. for sealing applications. (°C):

-15

Minimum non-brittle temp. (°C):

-20

Tensile strength (up to):

20 MPa

Elongation at break (up to):

300%

N.B. With all compounds, differing hardness's can affect final properties of the mix.

COMPOUND



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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