

Technical Data Sheet

Fluoroelastomer pentamer containing fluorinated vinyl ether & methoxyfluoroether(WCMFKMLT)

CHEMICAL DESCRIPTION:

Very low temperature FKM contain a methoxyfluoroether monomer in their structure, resulting in improved chemical resistance and improved low temperature performance compared to standard low-temperature (Type 3) FKM.

PROPERTIES

ASTM classification:

FKM

Typical applications:

Seals and gaskets for chemical processing, power and utilities subjected to very low temperature conditions.

Advantages :

Excellent high and low temperature resistance
Excellent resistance to oils and most non-polar solvents (including methanol)
Good resistance to acids and bases
Excellent ozone and weathering resistance

Disadvantages:

Lower chemical resistance than perfluoroelastomers (FFKM)
Higher cost than type 3 FKM

Available hardness range (Sh. A):

60 - 95

Upper continuous service temp. (°C):

250

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

-40

Minimum non-brittle temp. (°C):

-45

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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