

Technical Data Sheet

Tetrafluoroethylene-perfluorovinylether-ethylene terpolymer (WCMFEPM T)

CHEMICAL DESCRIPTION:

Fluorocarbon terpolymer of tetrafluoroethylene, perfluorovinylether and ethylene, which has been designed for use in extreme environments.

PROPERTIES

ASTM classification:

FEPM

Typical applications:

Seals, O-rings, gaskets and packers for oil exploration and production

Advantages:

Excellent high temperature resistance
Outstanding chemical resistance (including acids & bases)
Excellent resistance to oils and non-polar solvents
Excellent ozone and weathering resistance
Excellent steam resistance

Disadvantages:

Poor low temperature performance

Available hardness range (Sh. A):

70 - 95

Upper continuous service temp. (°C):

250

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

-9

Minimum non-brittle temp. (°C)

-10

Tensile strength (up to):

23 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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