



# Technical Data Sheet

## EXPANDED PTFE (WCMEXPPTFE)

### DESCRIPTION:

Polytetrafluoroethylene

### PHYSICAL PROPERTIES

COMPRESSIBILITY:	57 - 65%
RECOVERY:	17 - 23%
DENSITY:	0.9 ± 0.1 g/cm <sup>3</sup>
CHEMICAL RESISTANCE:	0 - 14 pH (Except for Molten Metals)
MAXIMUM PRESSURE:	175 BAR
LEAKAGE RATE:	9.2 x 10 <sup>-7</sup> mbar.l/(s.m)
TEMPERATURE RANGE:	-240 °C—+ 260 °C (315 °C Intermittent)
OZONE RESISTANCE:	Excellent
COLOUR:	White



PTFE

Our range is made from 100% pure PTFE expanded using a unique process into a febrile structure which forms a strong, consistent material which is impervious to liquids and gasses.

Sealing under extreme conditions, Expanded PTFE is inherently more creep resistant and not subject to cold flow like other materials such as Virgin or filled grades.

Expanded PTFE is the material of choice for a number of industries and media including oils, petrol, chemical, gas, food and pharmaceutical.

With it being compressible, it is the material of choice for glass lined vessels, pumps, valves and heat exchangers.

Expanded PTFE is chemically inert and non-marking, thus making it the material for pharmaceutical and food and drink industries.

This grade complies with the requirements of FDA 21 CFR 177.1550 and EC1935:2004.

We supply expanded PTFE in sheets, strips and gaskets.

For information on our Expanded PTFE tape range, please see the relevant data sheet.

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

[www.epdm.co.uk](http://www.epdm.co.uk)

E-Mail: [Sales@epdm.co.uk](mailto:Sales@epdm.co.uk)

### Contact

Telephone: +44 (0)1625 573971  
FAX: +44 (0)1625 573250  
Munsch & Co/PTM Ltd  
Units AG2/3 Clarence Mill  
Clarence Road, Bollington  
Macclesfield, Cheshire  
SK10 5JZ  
United Kingdom



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