



EUROPEAN
SEALING
TECHNOLOGY
Seals for industry

EPDM SHEET

ETHYLENE PROPYLENE RUBBER

Technical data sheet



European Sealing Technology - Industrial sealing solutions

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EPDM SHEET PRODUCT

PROPERTIES

Type

Ethylene Propylene Rubber, EPR, EPT, EPDM

Colour

Black

Hardness

60° (+/-5°) Shore 'A'

Specific Gravity

1.28 g/cm³

Tensile Strength

≥ 7MPa

Elongation at Break

≥ 400%

Tear Resistance

≥ 20 N/mm

Temperature Range

In air :

-30°C to 100°C

In Oil:

Not recommended

In water/Steam:

Max 90°C

Chemicals and physicals characteristics

Advantages in performance...

Capability to recover after deformation (compression set), steam resistance, ozone weather and sunlight resistance, air ageing and oxidation resistance.

EPDM is suitable for some acids and alkalis, alcohol's, aldehydes, brake fluids, esters, ketones, and silicone oils, polar solvents.



Limitations in performance...

EPDM is not suitable for... in diester oils, petroleum based fuels & oils including aliphatic hydrocarbons, aromatic & non-aromatic hydrocarbons, extended or oxygenated fuels. as well as halogenated solvents, halogenated hydrocarbons, lacquer solvents, LP gases & fuels, mineral oils, refrigerant halo fluorocarbons with oil... EPDM is also not recommended for its flame resistance, air ageing and ozone at high temperature (+ 130°C; peak).