

TFE/P-FEPM 75 compound 223002

ERIKS' 223002 is a standard grade TFE/P-FEPM compound, based upon AFLAS® 100 series ter-polymer with excellent base resistance.



Description

- **Chemical composition:** Ter-polymer of Tetrafluoroethylene, propylene and vinylidene fluoride
- **Physical form:** O-rings, moulded parts
- **Colour:** Black
- **Temperature resistance:** -10°C to +200°C

Applications

- Acids, hot water, oils and fluids
- Steam, brine, sour oil/gas (H₂S)
- Hydraulic and brake fluids
- Aminie corrosion inhibitors

Compliances

- ADI
- REACH
- RoHS

Additional information

- Excellent resistance to acids, steam, oils, brine and sour oil/gas (H₂S)

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	77±5	Shore A
Elongation at break	ASTM D412	211	%
Tensile strength	ASTM D412	14.5	MPa
Compression set – 24 hours at 200°C Slab	ASTM 395	42	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 250°C	ASTM D573		
Hardness change		+3	Shore A
Elongation at break change		-15	%
Tensile strength change		-8	%
Immersion ASTM oil #3 – 70 hours at 150°C	ASTM D471		
Hardness change		-5	Shore A
Elongation at break change		-28	%
Tensile strength change		0	%
Volume change		+17	%