



High-performance Fluoroelastomers



AGC

Your Dreams, Our Challenge

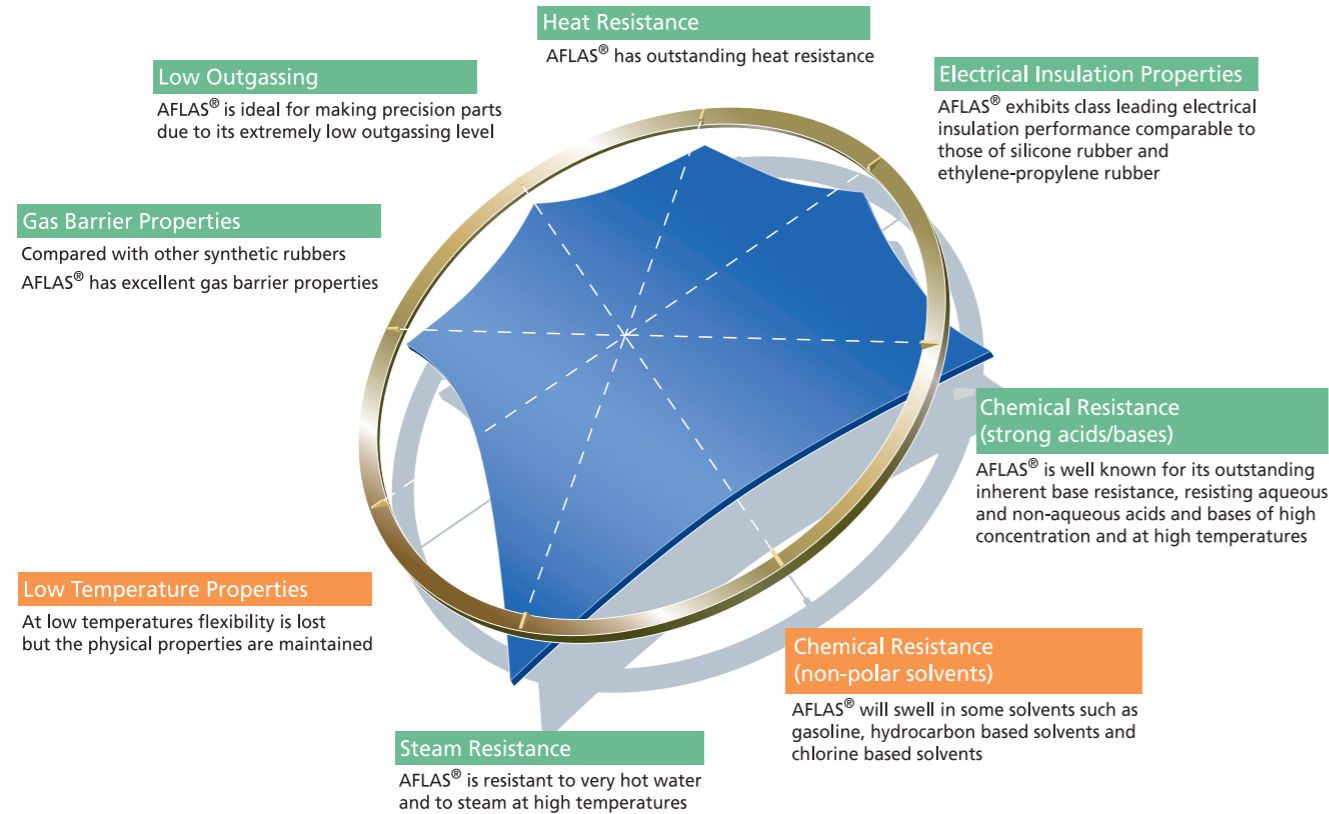
Resistant to acid, alkalis, amines and steam.

AFLAS® the material of choice for products and systems that have to work in tough environments.

AFLAS® fluoroelastomer was launched over 30 years ago by AGC. It is based on an alternating copolymer of tetrafluoroethylene and propylene. The unique properties of AFLAS® are:

- Excellent heat resistance with approx. 200°C continuous service temperature with even higher peaks
- Excellent chemical resistance to strong acids and bases at high temperatures
- Excellent steam and hot water resistance
- Excellent electrical insulation properties with volume resistivity of 10¹⁶ Ω-cm
- Excellent compression set with the new 600X
- Multi-layerability to bond to conventional elastomers e.g. EPDM
- Colourability

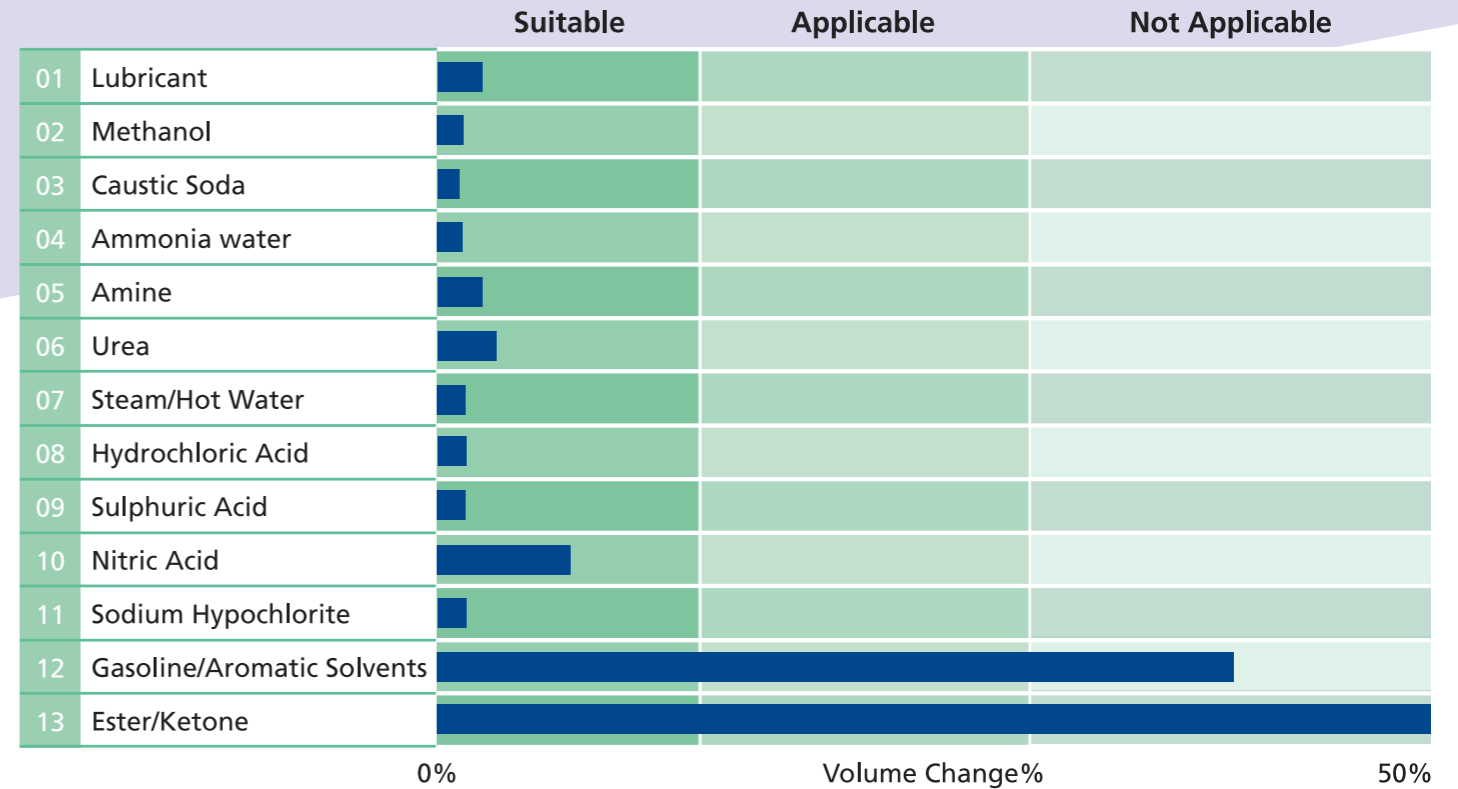
Features



Chemical Resistance

AFLAS® shows excellent chemical resistance against acids and bases. AFLAS® excels in extreme conditions at high temperatures and high concentrations in aqueous and non-aqueous environments. This is of increasing importance where longer guarantees of service life are offered.

Volume Change in Chemicals



New AFLAS® Grades

Grade	Application	External Cure System
150C	Extrusion - Wire and Cable	Electron Beam
150E	Extrusion - Thin Sheet	Peroxide
400E	Extrusion - Thin Layer	Peroxide
150L	Linings	Peroxide
150P	General Purpose	Peroxide
100H	General Purpose	Peroxide
100S	General Purpose	Peroxide
600X	General Purpose	Peroxide
150CS Latex	Coatings	None
300S Latex	Binder	Peroxide

AFLAS® has FDA compliance, please contact us for details

Typical Applications

- Packers
- ESP Bladders
- O-Rings
- Engine Seals and Gaskets
- Oiland Gear Seals
- Shaft Seals
- Diaphragms
- Plate Heat Exchanger Gaskets
- Fluoroplastic Modifier
- Thin Sheet
- Wire and Cable Insulation

The Benefits of using AFLAS® in Your Critical Applications

- Versatile applications due to good balance between properties and processability
- Can be extruded into complex profiles
- Specific grades meet requirements of USP Class VI - refer to individual product sheets
- Suitable for high pressure and high temperature (HPHT) applications
- Long service use (>25 years) in harsh environments
- Can be compounded to be highly resistant to rapid gas decompression (e.g. NORSOK)
- Chemical durability (e.g. oil exploration and production fluids)
- Can be molded into intricate shapes

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It is the responsibility of the purchaser to check that the specification is appropriate for any individual application. Particular care is required for special applications such as pharmaceutical, medical devices or food. It is advisable to contact the AGC Chemicals sales office for the latest position. Users of AFLAS[®] are advised to consult the relevant health and safety literature which is available from the AGC Chemicals sales office.