

AFLAS

TFEP / TETRAFLUOROETHYLENE- PROPYLENE

Aflas® is a copolymer of tetrafluoroethylene and propylene with a fluorine content of approximately 54%. It is unique due to its resistance against petroleum, steam, phosphate esters and brake fluid. TFE/P also provides improved chemical resistance to a wide spectrum of automotive fluids and additives. It is resistant to motor oils, engine coolants with high level of rust inhibitors, extreme pressure (EP) gear lubricant, transmission or power steering fluids, brake fluids, mineral oil, and silicone oil.

Colour: Black

Operating temperature range: -5°C to 200°C

Physical Property	Test Method	Units	Typical Values
Hardness	ISO 48	IRHD	82
Tensile Strength	ISO 37	Mpa	17
Elongation	ISO 37	%	180
Modulus at 100%	ISO 37	Mpa	10
Specific Gravity	ISO 2781	g/cm3	1.58
Compression Set 24h / 125°C	ISO 815	%	21.4
Tear Resistance	ISO 34	N/mm	34

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ISO 188	168	175	2	2.8	-24.5	
ASTM Oil 901	ISO 1817	168	100				-0.09
ASTM Oil 903	ISO 1817	168	100				8.68

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. All sales subject to our standard terms www.polymax.co.uk/sales-terms