

Material Data Sheet

UTECRUBBER-AF

General Information

UTECRUBBER-AF is a Tetrafluoroethylene-Propylene copolymer (TFE/P), commonly referred to as FEPM or AFLAS. It has very high resistance to hydraulic fluids, all brake fluids, acids, Methanol, water steam up to 160°C, bases and amines.

Physical properties

Colour:			Black
Hardness at 20°:	DIN 53505	Shore A	85 +/-5
Density:	DIN 53479	g/cm ³	1.76
100% Modulus:	DIN 53504	N/mm ²	> 7
Tensile strength:	DIN 53504	N/mm ²	> 9
Elongation at break:	DIN 53504	%	> 200
Rebound resilience:	DIN 53512	%	> 10
Tear strength:	DIN 53515	N/mm ²	> 7
Abrasion:	DIN 53516	mm ³	< 150
Compression set: (100°C, 22 hours)	DIN 53517	%	< 25
Min. service temperature:		°C	-15
Max. service temperature:		°C	+210

Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.