



V85-N137

This TDS describes a Tetrafluoroethylene/Propylene copolymere TFE/P compound commonly referred to as FEPM or AFLAS (*) with very high resistance to hydraulic fluids (included Alkyl-Acrid-Phosphate Esters) all brake fluids (on glycole, minerale and silicone base), acids, steam and hot water , sour oil/gases (H2S) and heavily formulated oils with amine additives



(*) AFLAS is a reg. trademark of Asahi Glass Co. / Japan





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PROPERTY	METHOD	UNITS	VALUE
Color			Black
Specific gravity	DIN ISO 1183-1	g/cm ³	1,76±0,03
Hardness	DIN ISO 7619-1	Sh.A	86±5
Tensile strength	DIN 53504	N/mm ²	12,1
Elongation	DIN 53504	%	140
Modulus 100%	DIN 53504	N/mm ²	10,6
Tear resistance	DIN ISO 34-1	N/mm	19,4
Service temperature (min-max)	/	°C	-15/+210
Compression set			
25% - 24 hrs at 70 °C	DIN ISO 815-1	%	21,7
25% - 24 hrs at 100 °C	DIN ISO 815-1	%	21
25% - 22 hrs at 175 °C	DIN ISO 815-1	%	36,8

CHEMICAL RESISTANCE GUIDELINE

R = Resistant		NR = Not Resistant	
<u>Chemical group / Media</u>	<u>Rating</u>	<u>Chemical group / Media</u>	<u>Rating</u>
Air up to 200 °C	R	Ozone	R
Brake fluids	R	Solvents	NR
Fuels	NR	Steam	R
HFA Fluid	R	Vegetable Oils	R
HFB Fluid	R	Water up to 90 °C	R
HFC Fluid	R		
HFD Fluid	R		
Mineral Oils	R		

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