



E85-N118

This TDS describes an EPDM compound with good mechanical and chemical resistances

This compound is intended for production of static and dynamic gaskets

Good for hot water steam applications as well as in fire resistant fluids

EPDM is also used in based, acids and alcohols, is also good in brake fluids but we recommend observing local-safety regulations before installing an EPDM seal in braking system





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PROPERTY	METHOD	UNITS	VALUE
Color			Black
Specific gravity	DIN ISO 1183-1	g/cm ³	1,21±0,03
Hardness	DIN ISO 7619-1	Sh.A	85±5
Tensile strength	DIN 53504	N/mm ²	12,7
Elongation	DIN 53504	%	120,3
Modulus 100%	DIN 53504	N/mm ²	9,3
Tear resistance	DIN ISO 34-1	kN/m	34,4
Service temperature (min-max)	/	°C	-50/+130
Compression set			
25% - 24 hrs at 70 °C	DIN ISO 815-1	%	10,8
25% - 24 hrs at 100 °C	DIN ISO 815-1	%	9,2

CHEMICAL RESISTANCE GUIDELINE

R = Resistant		NR = Not Resistant	
Chemical group / Media	Rating	Chemical group / Media	Rating
Air up to 100 °C	R	HFD-R Fluid	R
Air from 150 °C	NR	HFD-S Fluid	NR
Alcohols	R	Ketones	R
Biodegradable Oils	NR	Mineral Oils	NR
Esters	R	Oxygen	R
Fuels	NR	Ozone	R
HFA Fluid	NR	Steam from 180 °C	NR
HFB Fluid	NR	Vegetable Oils	NR
HFC Fluid	R	Water up to 90 °C	R

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