

# EWP 210

## Description and applications

EWP 210 is based on NBR-bound aramid fibres. The sealing material has very good oil and fuel resistance, combined with good pressure resistance and high tensile strength.

EWP 210 is mainly used to seal against cold and hot oils, greases, fuels and coolants with corrosion protection and antifreeze additives. Typical application areas are the oil sump, gearbox, carburettor, preheating chamber, water pump, fuel pump, control casing, water nozzles and housing cover.



## 1. General product information

<b>Colour</b>	green
<b>Max. temperature</b>	400 °C (in oil up to max. 200 °C)
<b>Max. pressure</b>	100 bar

## 2. Technical data

### 2.1 General properties

Measured variable	Value	Value	Test standard
<b>Thickness</b>	≤ 0.5 mm	> 0.5 mm	
<b>Density</b>	1.7 g/cm <sup>3</sup> ± 0.15	1.7 g/cm <sup>3</sup> ± 0.15	DIN 53 105 Tl. 1
<b>Ignition loss</b>	≤ 35 %	≤ 35 %	DIN 52911
<b>Compressibility</b>	9 % ± 4	9 % ± 4	ASTM F36 J
<b>Recovery</b>	≥ 45 %	≥ 45 %	ASTM F36 J
<b>Tensile strength, transverse</b>	≥ 8.5 N/mm <sup>2</sup>	≥ 9 N/mm <sup>2</sup>	DIN 52910
<b>Pressure resistance</b> <b>(50 N/mm<sup>2</sup>, 16 h/300 °C)</b>		≥ 25 N/mm <sup>2</sup>	DIN 52913

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## 2.2 Media resistance

Medium	Property	Temperature [°C]	Variation from initial value [%]	
			5h	
ASTM oil no. 3	Thickness increase (%)	150	≤ 17	≤ 10
	Weight increase (%)	150	≤ 20	≤ 15
ASTM fuel B	Thickness increase (%)	23 ± 2	≤ 17	≤ 15
	Weight increase (%)	23 ± 2	≤ 15	≤ 15
Water/glycol (1:1)	Thickness increase (%)	Rh	≤ 10	≤ 10
	Weight increase (%)	Rh	≤ 17	≤ 17

## 3. Delivery form

EWP 210 can be supplied as sheet material as a ready-to-install seal.