

## FW 522 – Gasket material for non-retorque cylinder-head gaskets



### Description

FW 522 is a gasket material based on aramide fibers with NBR binder and perforated metal core. FW 522 combines excellent oil and fuel resistance with high stress relaxation.

### Technical data

Soft material thickness (each side)	0.35 – 0.8 mm
Metal thickness	0.20/0.25/0.30 mm
Thickness	0.9 – 1.8 mm
Density DIN 53 105 TL. 1	1.8 – 2.0 g/cm <sup>3</sup>
Ignition loss DIN 52911	≤ 16%
Compressibility ASTM F36 J	5 – 11%
Recovery ASTM F36 J	≥ 35%
Tensile strength, cross grain, DIN 52910	≥ 30 N/mm <sup>2</sup>
Stress relaxation DIN 52913 (50 N/mm <sup>2</sup> , 16h/300°C)	≥ 38 N/mm <sup>2</sup>
Media resistance	
ASTM oil no. 3 (5h/150°C)	
Thickness increase	≤ 4%
Weight increase	≤ 8%
ASTM fuel B (5h/23 ± 2°C)	
Thickness increase	≤ 6%
Weight increase	≤ 10%
Water – glycol (1:1, 5h Rf)	
Thickness increase	≤ 4%
Weight increase	≤ 6%

# Elring Gasket Material FW 522



Das Original

## ***Application***

FW 522 is primarily used for non-retorque cylinder-head gaskets for gasoline and diesel engines.

Color	gray
Max. temperature	250°C

## ***Form of supply***

FW 522 is available as finished gasket according to drawing r as sheet material.



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