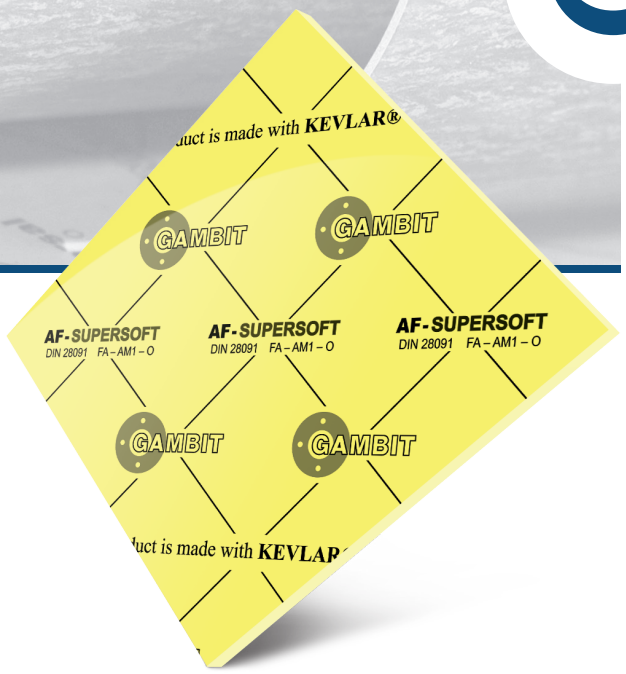
GASKET SHEET
Gambit AF-SUPERSOFT



The values given in the table refer to gasket sheets with a thickness of 2.0 mm		
Maximum working conditions		
Peak temperature	°C	290
Temperature under continuous operation	°C	220
Temperature under continuous operation with steam	°C	180
Pressure	MPa	6

Dimensions			
Standard thicknesses of sheets /thicknesses above 5.0 mm are produced by gluing/	mm	1,0 | 1,5 | 2,0 | 2,5	± 10%
		3,0 | 4,0 | 5,0 | 6,0	± 10%
Standard dimensions of sheets /custom dimensions available within the total range of 1500 × 3000 mm/	mm	1500 × 1500	± 10,0

Technical data - typical values for the thickness of 2.0 mm				
Density	± 5%	g/cm³	2	DIN 28090-2
Transverse tensile strength	min.	MPa	7	DIN 52910
Compressibility	typical value	%	15	ASTM F36
Elastic recovery	min.	%	50	ASTM F36
INCREASE IN THICKNESS				
Oil IRM 903 150°C/5 h	max.	%	6	ASTM F146
Model fuel B 20°C/5 h	max.	%	6	ASTM F146
Colour		light yellow		

Gambit AF-SUPERSOFT is a flexible and elastic gasket sheet that allows the required sealing conditions to be achieved with significantly reduced mounting stress. It is recommended for use in situations where compensation for unevenness in the stress across the entire gasket-flange contact surface is required.

Gambit AF-SUPERSOFT gasket sheet is based on Kevlar® aramide fibres, mineral fibres and fillers bound with NBR rubber-based binder.

Classification according to DIN 28091-2:
FA-AM1-0

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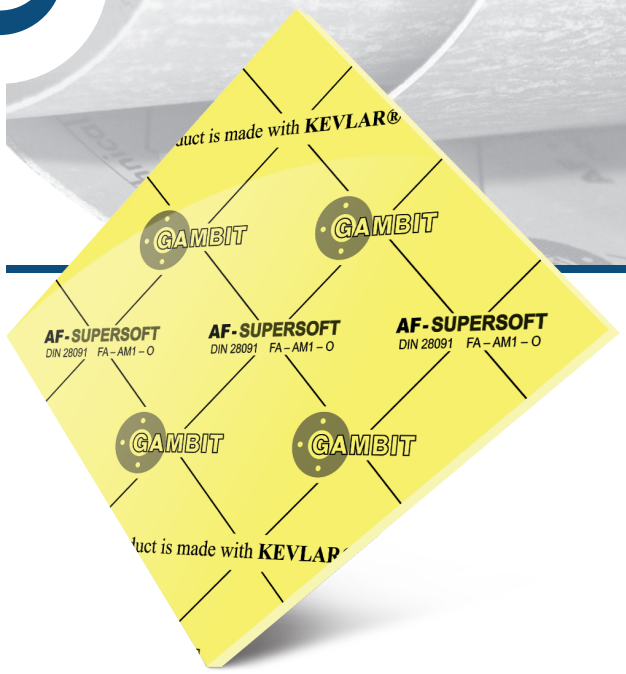


GASKET SHEET
Gambit AF-SUPERSOFT

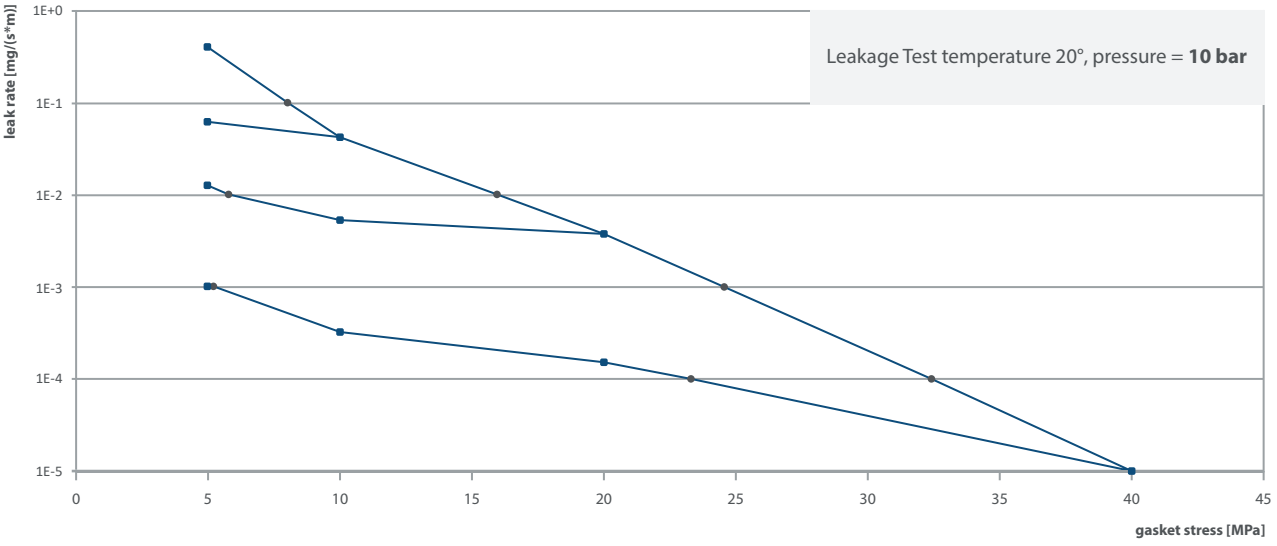
The task of a gasket is to ensure the sealing of the flange connection. The existing gaskets perform this function well in situations where we can exert the appropriate mounting stress as determined by calculation procedures.

There are also constructions where it is not possible to exert such mounting stress, or it cannot be applied evenly across the entire gasket-flange contact surface.

For these applications, we have prepared the **Gambit AF-SUPERSOFT**. This sheet, due to its flexibility and elasticity, allows for the required sealing conditions to be achieved with significantly reduced mounting stress. It also more easily compensates for any unevenness in the stress across the entire gasket-flange contact surface.

Gaskets made from the **Gambit AF-SUPERSOFT** can be used at a maximum temperature of 290°C and a maximum pressure of 6 MPa. Of course, as with all existing gaskets, it is not recommended to combine both maximum values simultaneously.

The sealing class of 10^{-1} mg/ms is required for most installations. In the diagram, it can be easily seen that this sealing class is achieved with less than 10 MPa gasket stress.



Leakage Test temperature 20°, pressure = **10 bar**

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