



## EXPANDED GRAPHITE GASKET SHEET

### TEMAGRAPH S

Technical data:				
Marking acc. to	DIN 28 091-4	GR-10		
Thickness ( mm)		1,0	1,5	2,0 3,0
Max. temperature* (°C)		from -200 to +500		
Max. pressure* (bar)		60		
Graphite density (g/cm <sup>3</sup> )		0,7 - 1,3		
Ash content** (%)	DIN 51 903	≤ 2,0		
Chloride content** (ppm)		≤ 50		
Material of insert	DIN / ASTM	-		
Thickness of insert (mm)		-		
No. of insert		-		
Gas permeability (cm <sup>3</sup> /min)		< 0,30	< 0,60	< 0,80 < 0,85
Specific leakage rate λ ( mg/s/m)		< 0,05	< 0,08	< 0,10 < 0,15
Residual stress ( N/mm <sup>2</sup> )	DIN 52 913, 16h/300°C	> 47		
Compressibility ( %)	ASTM F 36A – 66	40 – 50		
Recovery ( %)	ASTM F 36A – 66	10 – 15		
<b>Gaskets factors</b>	<b>DIN 2505</b>			
$\sigma_{VU}$ ( N/mm <sup>2</sup> )		20		
m	DIN factor	1,3		
$\sigma_{VO}$ ( N/mm <sup>2</sup> )		160	140	120 100
$\sigma_{BO}$ at 300 °C ( N/mm <sup>2</sup> )		140	120	100 80
m	ASTM factor	2		
y ( PSI)	ASTM factor	1500		

#### Legend:

$\sigma_{VU}$  min. gasket assembly stress

$\sigma_{VO}$  max. permissible gasket stress

$\sigma_{BO}$  at 300 °C max. permissible gasket stress under service conditions

\* max. values can not be used simultaneously

\*\* If required, the material can be supplied in so-called nuclear grade (in that case ash content is <0,15% and chloride content <20ppm)

sheet size: 1,0m x 1,0m , 1,5m x 1,5m

colour of printing: without printing

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