

Technical data:		
Marking acc. to	DIN 28 091-4	GR-10-O-1 M Cr
Thickness (mm)		1,0 1,5 2,0 3,0
Max. temperature* (°C)		from -200 to +500
Max pressure* (bar)		140
Density (g/cm ³)		1,0
Ash content** (%)	DIN 51 903	≤ 2,0
Chloride content** (ppm)		≤ 50
Material of insertion	DIN / ASTM	1.4404 / SS 316 (tanged)
Thickness of insertion (mm)		0,1
No. of insertion		1 and more
Gas permeability (cm ³ /min)		-
Spec. leak rate λ (mg/s/m)		-
Residual stress (N/mm ²)	DIN 52 913, 16h/300°C	> 48
Compressibility (%)	ASTM F 36A – 66	30 - 40
Recovery (%)	ASTM F 36A – 66	10 – 15
Gaskets factors	DIN 2505	
σ_{VU} (N/mm ²)		15 (th1,0) 20 (th2) 30 (th3)
m	DIN factor	1,3
σ_{VO} (N/mm ²)		180 160 140
σ_{BO} at 300 C (N/mm ²)		150 135 120
m	ASTM factor	2,5
y (PSI)	ASTM factor	2500

Legend:

σ_{VU}	min. gasket assembly stress
σ_{VO}	max permissible gasket stress
σ_{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: blue printing **TEMAGRAPH TI**