

## Corratherm 9631 P

### Features

The Corratherm 9631/P corrugated gasket is a high-quality two-component gasket made from flexible graphite and stainless steel. Its core is made of a corrugated stainless steel profile ring with flexible expanded Statotherm graphite foil (purity  $\geq 99.85\%$ ) on both sides. Gaskets with an outer diameter up to 1.000 mm are produced in a single piece, while for larger dimensions, the metal base plate must be produced in multiple segments and welded together.

### Key physical characteristics

Limiting characteristic values of the material combinations									
Material		recommended surface roughness		Roomtemperature			operating temperature		
				surface pressure	E-Modul $E_D$	surface pressure		Tmax	
				min Mpa (N/mm <sup>2</sup> )	max Mpa (N/mm <sup>2</sup> )	min Mpa (N/mm <sup>2</sup> )	max Mpa (N/mm <sup>2</sup> )		
corrugated gasket	pad	material-no.	$\mu\text{m}$						
Aluminium	line	3.0255	25 - 50	30,00	80	40	60	300,00	
Copper	line	2.0090	25 - 50	35,00	110	50	80	350,00	
X2CrNiMo17-12-2	line	1.4404	25 - 50	45,00	150	70	95	500,00	
X6CrNiTi17-12-2	PTFE	1.4571	50 - 100	20,00	180	25	150	280,00	
X6CrNiTi17-12-2	graphite	1.4571	25 - 50	15,00	180	25	130	500,00	
X15CrNiSi20-12	glimmer	1.4828	25 - 50	35,00	180	45	100	700,00	

### m- und y-Factors

thickness	m	y (PSI)	y [MPa]
	1,40	1305,00	9

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.

We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.