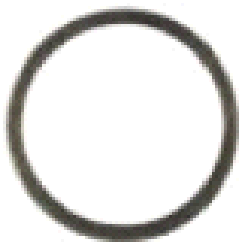


**SITTECH®**

TECHNICAL DATA SHEETS



- Very high pressure operating limit
- Very low leakage rates for gases and liquids
- High operational safety due to broad range of app.

SPIRAL WOUND GASKET

CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: SD01
DIMENSION: EN 1514-2 [EN12560-2]
MATERIAL: Dependent on material

- Very high operating pressure and/or temperature
- Device and container flanges, pumps and valves
- Chemical and petro-chemical sector, power stations

PRODUCT NAME

**Spiral wound gasket
 graphite / PTFE filling
 without inner and centering ring**

PROFILE



FEATURES

The spiral wound gasket consists of a spiral-shaped wrapped, beaded metal strip. A non-metallic tape [graphite or PTFE] protruding on both sides is fitted between the individual windings of the metal tape. **Used for tongue and groove systems.** Spiral wound gaskets are mainly used for higher pressures and for critical operating conditions.

Complies with TA Luft and VDI 2290¹.

OPERATIONAL DATA

	Grafit	PTFE
Pressure	Max. 160 bar	
Temperature	-200°C to 550°C ³	-200°C to 250°C
Density [mDIN 2505]	1.4	1.2
$\sigma_{VU0.1}$	50 N/mm ²	45 N/mm ²
σ_{VO}	150 N/mm ²	150 N/mm ²
$\sigma_{B0300^\circ C [200^\circ C]}$	120 N/mm ²	130 N/mm ²

APPROVALS

TA Luft 2002 [VDI 2440/2200]	X	X
BAM oxygen	X	
BAM ethylene/propylene	X	
DVGW [DIN 3535-6]		
KTW-guideline		
Fire Safe Test		
FDA		X
EG 1935/2004		
Blow-out resistance		
Germanischer Lloyd		

Notes: ¹ complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

³ upward of 450°C please consult the manufacturer