



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: SD10
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
 with inner and centering ring**

PROFILE

SD10

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. The spiral is stabilised by the inner and outer ring, whilst the outer ring also handles the centering on the flange bolts. **Application areas are raised face flanges**, often for problematic application scenarios and extreme conditions.

Complies with TA Luft and VDI 2290¹.

OPERATIONAL DATA

	Grafit	PTFE
Pressure	Max. 320 bar	
Temperature	-200°C to 550°C ³	-200°C to 250°C
Density [mDIN 2505]	1.4	1.2
$\sigma_{VU0.1}$	30 N/mm ²	45 N/mm ²
σ_{VO}	330 N/mm ²	300 N/mm ²
$\sigma_{BO300^\circ C [200^\circ C]}$	220 N/mm ²	240 N/mm ²

APPROVALS

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