



## TECHNICAL DATA SHEETS

## PTFE GASKETS



**CATEGORY:** FLANGE SEAL  
**MANUFACTURER:** IDT  
**PROFILE:** FD05  
**DIMENSION:** EN 1514-1 [EN12560-1]  
**MATERIAL:** WS 7170 / WS 7221

- Very good media resist. [except liquid alkali mtl.]
- Temperature resistant, UV- and ageing resistant
- Low permeability towards gases and liquids

- Widely used in chemical and petro-chemical sector
- Pipeline and device flanges, pumps and valves
- Use in food sector and pharmaceutical production

### PRODUCT NAME

Non-metallic gasket, serrated  
with metal insert  
TFM™ 1600 or TFM 6221™ [conductive]

### PROFILE



### FEATURES

Sealing system made from modified, cold flow reduced Dyneon™ TFM™ 1600 without fillers [WS 7110] or high quality, electrically conductive Dyneon™ TFM™ 6221 [WS 7221]. Maximum chemical resistance. FDA-conform with additional metal insert. Low installation surface pressure necessary and suitable for plastic flange connections. Blow-out resistance due to metal insert.

Complies with TA Luft and VDI 2290¹.

### OPERATIONAL DATA

Pressure	Max. 20 bar²
Temperature	Max. 150°C
Density [mDIN 2505]	
$\sigma_{VU0.1}$	
$\sigma_{VO}$	
$\sigma_{BO150^\circ C}$ [200°C]	

### APPROVALS

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

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

² max. pressure and max. temperature should not occur at the same time \* for additional information refer to approvals