

# Technical Data Sheet

## for HT Pipes and Fittings

Prepared on: 07/03/2018  
Printed on: 07/03/2018

Revision index 00  
Page 1 of 1

### 1. Designation of substance/preparation and company name

#### 1.1 Product details:

Product name: HT Pipes and Fittings

#### 1.2. Manufacturer / supplier details:

Supplier: Gebr. Ostendorf Kunststoffe  
Street Address: Rudolf Diesel Str. 6-8  
Postal code / city: 49377 Vechta  
Tel.: +49 (0) 4441/874-0  
Fax: +49 (0) 4441/874-15  
E-Mail : Verkauf@Ostendorf-Kunststoffe.com

### 2. Basic information

Applicable standards	DIN EN 1451-1
Construction (smooth inner and outer skin)	<b>Solid wall</b>
Pipe series iaw. ISO 4065	S 20
Applications	B

### 3. Properties

Ring stiffness iaw. DIN EN ISO 9969 [kN/m <sup>2</sup> ]	> 2
Material	PP-H
Median density	≈ 0.95
Color	Dusty gray RAL 7037
Modulus of elasticity [N/mm <sup>2</sup> ] DIN EN ISO 527	1640
Tensile strength [MPa] DIN EN ISO 527-2	30.4
Elongation at break / DIN EN ISO 527	600%
Coefficient of linear expansion [10 <sup>-4</sup> K <sup>-1</sup> ]	
0 °C	0.80
20 °C	0.96
40 °C	1.09
60 °C	1.25
80 °C	1.45
100°	1.78
Coefficient of linear expansion [mm/m x K]	≈ 0.14
Thermal conductivity in [W/K x m]	≈ 0.2
Surface resistance in Ω	> 10 <sup>13</sup>
Chemical resistance	ph 2-12
Recyclability	100%
Impact strength at 23°C	++
Fire behavior	Low flammability
Construction material class iaw. DIN 4102-1	B1

### 4. Recommendations

Wall surface roughness k (from KRV handbook)	< 0.1 mm
Operational roughness (from ATV 110)	0.40 mm
Wastewater	continuous load
temperatures [°C]	short-term
90	110
Tightness checks	-0.5 bar and +0.5 bar
Grade	DIN EN 12056, DIN 1986-100
Volumetric flow speeds	DIN EN 12056, DIN 1986-100
Hydraulic output	DIN 1986-100
Installation	DIN EN 12056, DIN 1986-100
Operation with auxiliary heater	suited up to approximately 40°C
Oil and grease resistant	with NBR gaskets

### 7. Miscellaneous details:

#### Department issuing the data sheet:

Gebr. Ostendorf Kunststoffe  
Rudolf Diesel Str. 6-8  
49377 Vechta  
Tel.: +49 (0) 4441/874-0  
Fax: +49 (0) 4441/874-559  
E-Mail: [Verkauf@Ostendorf-Kunststoffe.com](mailto:Verkauf@Ostendorf-Kunststoffe.com)

Gebr. Ostendorf Kunststoffe GmbH  
Rudolf-Diesel-Straße 6-8  
D-49377 Vechta | Germany

Telefon +49 (0) 4441 – 874 – 0  
Telefax +49 (0) 4441 – 874 – 15  
[www.ostendorf-kunststoffe.com](http://www.ostendorf-kunststoffe.com)  
[Verkauf@Ostendorf-Kunststoffe.com](mailto:Verkauf@Ostendorf-Kunststoffe.com)

Oldenburger Landesbank AG Vechta  
Kto.-Nr.: 4 062 266 401 (BLZ 280 228 22)  
SWIFT-BIC: OLBODEH2  
IBAN: DE02 2802 0050 4062 2664 01

Volksbank Vechta eG  
Kto.-Nr. 304 900 000 (BLZ 280 641 79)  
SWIFT-BIC: GENODEF1VECOLBODEH2  
IBAN: DE35 2806 4179 0304 9000 00