

Technical Data Sheet for Skolan Safe Pipes and Fittings

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1. Designation of substance/preparation and company name

1.1 Product Details:

Product name: Skolan Safe Pipes and Fittings

1.2. Manufacturer / supplier details:

Supplier: Gebr. Ostendorf Kunststoffe GmbH
Street Address: Rudolf Diesel Str. 6-8
Postal code / city: 49377 Vechta
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E-Mail : Verkauf@Ostendorf-Kunststoffe.com

2. Basic information

Applicable standards	Z-42.1-217
SN Class (classified by standard)	min. 4
Measured ring stiffness iaw. ISO 9969	> SN 10
Construction (smooth inner and outer skin)	Solid wall
Pipe series iaw. ISO 4065	S 14
Applications	Rainwater downpipe in buildings Pipes for condensate from boiler plants Ventilation pipe Connection pipe in buildings Collector pipe in building Wastewater downpipe in building Inaccessible water main in the floor slab Below-ground pipe in the area below and at a maximum distance of 1 m from the building

3. Properties

Ring stiffness iaw. DIN 16961 [kN/m ²]	≥ 31.5
Material	PP-MD
Median density [g/cm ³]	≈ 1.6
Color	Light-gray RAL 7035
Modulus of elasticity [N/mm ²] DIN EN ISO 527	2260
Tensile strength [N/mm ²] DIN EN ISO 527-2	16,2
Elongation at break / DIN EN ISO 527	54%
Coefficient of linear expansion [mm/m x K]	≈ 0.09
Chemical resistance	ph 2-12
Recyclability	100%
Impact strength at 0°C	+
Fire behavior	Normal flammability
Construction material class iaw. DIN 4102-1	B2

4. Recommendations

Wall surface roughness k (from KRV handbook)	< 0.1 mm
Operational roughness (from ATV 110)	0.40 mm
Wastewater temperatures [°C]	continuous load: 90 short-term: 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:

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