

HT Safe®: safer, quieter, better.

Changing of the guards: HT-Safe replaces HT Standard.

NEW: Patented
3 lip seal
Simple and
secure installation

NEW: Smoother inner
surface
Significantly quieter
as HT Standard

NEW: Elements of PP-H
Flame retardant
according to DIN 4102
(B 1) and DIN EN 1451-1

NEW: Potent and
functional color
RAL 7043

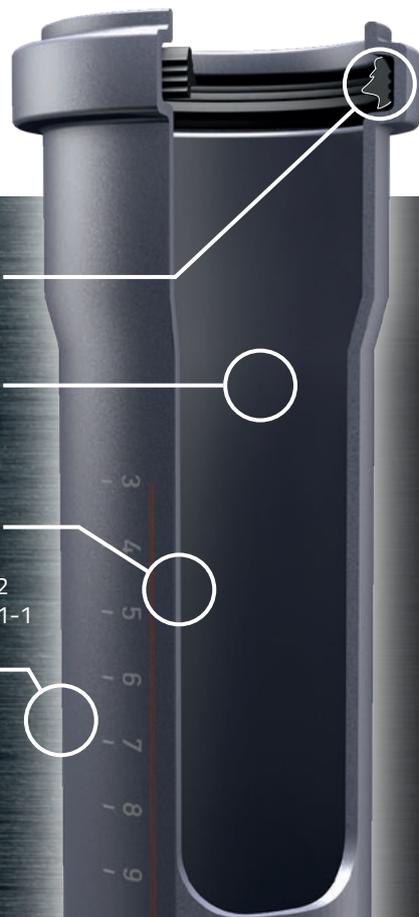
21 dB (A)*
P-BA 222/2016

B1 Flame
retardancy

DIN EN
1451-1

25-year
guarantee

Made in
Germany



by Gebr. Ostendorf Kunststoffe

**High time for the modern generation:
With HT Safe® we have raised the standards
and completely redefined household waste
water piping. Because of this great achievement
and thanks to its successful introduction into
the market, we will be phasing out the HT Standard
program at the beginning of 2018 and replacing it
with the completely compatible HT-Safe® system.**

The patented **3 lip seal** makes processing and installation, quick and simple as never before and guarantees a secure seal even under the most adverse conditions.

A smoother inner surface, as well as a new combination of materials ensures for **exceptional soundproofing** that is unique in its range.

Would you like further information about HT-Safe and our proposal for article replacement? Then please give us a call or send us an Email to: verkauf@ostendorf-kunststoffe.com.

We will gladly advise you!



*Sound emission at 4 liter volume discharge according to measurements with Bimat 1000 (P-BA 222/2016).

21 dB

Discharge Pipes and Fittings HT Safe®

Commercial Name

Ostendorf HT Safe

Material

Polypropylene (PP)

- hot water resistant
- permanent low inflammability as per DIN 4102 B1

Production

DIN EN 1451-1 resp. DIN 19560-10

Application

Drainage within the building structure as

- waste water pipe
- rain water pipe
- ventilation pipe

Nominal diameters (DN/OD)

32 / 40 / 50 / 75 / 90 / 110 / 125 / 160

Colour

Traffic grey B RAL 7043

Seal

Factory inlaid SBR lip seal acc. to DIN 681

Chemical Resistance

Discharge of aggressive media in the range pH2 - pH12
(see also www.ostendorf-kunststoffe.com)

Marking Pipes and Fittings

Permanent marking with manufacturer label, nominal diameter, DIN standard (DIN EN 1451-1), date of manufacture, material, building material class (fire behavior)
(Fittings additionally bear information about the nominal angle.)

Sound Insulation

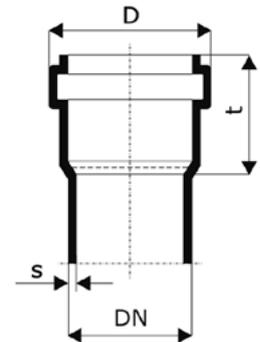
Measured value 21dB (A)

Sound insulation test according to DIN EN 14366 (Fraunhofer Institute)

Noise emission at 4 litres volume flow according to measurement with Bismat 1000 (P-BA 222/2016).

Central vacuum cleaning system

Test certificate of the State Material Testing Institute Darmstadt



DN (OD)	s (mm)	D (mm)	t (mm)
32	1,8	44	40
40	1,8	53	55
50	1,8	63	56
75	1,9	88	61
90	2,2	105	58
110	2,7	125	76
125	3,1	143	82
160	3,9	181	90