



## Construction and Urban Industry

### Water & Waste Water Equipments

Since the application of polymeric materials in sewage piping system and simultaneous with improvement of polymeric engineering, much change has been occurred in the structure of such pipes. After PE and PVC sewage pipes as well as limitations and difficulties existed in their application and execution, the new generation of sewage pipes, i.e. Push Fit, made of polypropylene (PP) took a good place in production of sewage pipes and connections. Advanced technology applied in production of Push Fit provides a safe and reliable system for consumers.





### Areas of application

For installation and dimensioning, DIN EN 12056 in accordance with DIN 1986–100 (replacement for DIN 1986 Parts 1, 2 and 31). The pipes and fittings are resistant to normal sewage in range pH 2 to pH 12. In special cases, chemical resistance can be seen in the DIN 8078 supplement sheet. They may not be used when waste water containing fuel or benzene is to be discharged. They may also not be installed in the ground. Areas of utilization in accordance with DIN 1986 Part 4 apply.

### Sealing

Rubber rings are in accordance with DIN 4060

### Material properties

Polypropylene (PP), highly heat-stabilized in accordance with DIN 8078 and not easily inflammable in accordance with DIN 4102 B 1.

**Average density** ~ 0.93 g/cm<sup>3</sup>.

**Elasticity modulus** 1200 N/mm<sup>2</sup>.



### Technical specification

#### Colour

Dust grey RAL 7037.

#### Quality requirement

In accordance with DIN 8078

#### Connection

Sliding socket with a ring pre-mounted at the plant.

**Elongation of rupture** 800 %.

**Heat conductivity** 0.23 W/mK.

**Linear expansion coefficient**  $1.5 \times 10^{-4}$  1/K.

#### Chemical resistance

DIN 8078 supplementary sheet no.1

#### Dimensions and technical terms of delivery

The pipes and fittings, not easily inflammable, meet the requirements stipulated in DIN-EN 1451 and DIN 19560–10 (which together replace DIN V 19560).

