

**DIN 8077****DIN**

ICS 23.040.20

Supersedes  
DIN 8077:2007-05**Polypropylene (PP) pipes –  
PP-H, PP-B, PP-R, PP-RCT –  
Dimensions**Rohre aus Polypropylen (PP) –  
PP-H, PP-B, PP-R, PP-RCT –  
Maße

Document comprises 34 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original should be consulted as the authoritative text.



## Contents

	Page
Foreword.....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Safety factors .....	6
5 Dimensions and designation .....	7
5.1 General.....	7
5.2 Outside diameters, wall thicknesses, S/SDR series and masses.....	8
5.3 Tolerances on mean outside diameters and out-of-roundness.....	11
5.4 Tolerances on wall thicknesses .....	13
6 Allowable operating pressures .....	15
6.1 Allowable operating pressures for pipes conveying water.....	15
6.2 Allowable operating pressures for pipes conveying other fluids .....	15
7 Form supplied .....	31
8 Marking .....	32
Annex A (informative) Explanatory notes .....	33
Annex B (informative) Bibliography .....	34

### Figures

Figure 1 — Outside diameter and wall thickness .....	7
--	---

### Tables

Table 1 — Safety factor SF as a function of the temperature .....	6
Table 2 — Outside diameters, wall thicknesses, S/SDR series and masses.....	8
Table 3 — Tolerances on mean outside diameters and out-of-roundness .....	11
Table 4 — Tolerances on wall thicknesses .....	13
Table 5 — Allowable operating pressures for PP-H pipes conveying water, safety factor (SF) = 1,6 – 1,25 (temperature-dependent).....	16
Table 6 — Allowable operating pressures for PP-H pipes conveying water, safety factor (SF) = 1,7 .....	18
Table 7 — Allowable operating pressures for PP-B pipes conveying water, safety factor (SF) = 1,25 .....	20
Table 8 — Allowable operating pressures for PP-B pipes conveying water, safety factor (SF) = 1,5 .....	22
Table 9 — Allowable operating pressures for PP-R pipes conveying water, safety factor (SF) = 1,25 .....	24
Table 10 — Allowable operating pressures for PP-R pipes conveying water, safety factor (SF) = 1,5 .....	26

	Page
Table 11 — Allowable operating pressures for PP-RCT pipes conveying water, safety factor (SF) = 1,25.....	28
Table 12 — Allowable operating pressures for PP-RCT pipes conveying water, safety factor (SF) = 1,5.....	30
Table 13 — Tolerances on nominal lengths.....	31