

# DIN 8077:2007-05 (E)

## Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - Dimensions

---

Contents	Page
Foreword .....	4
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions .....	4
4 Safety factors .....	5
5 Dimensions and designation .....	6
5.1 General .....	6
5.2 Outside diameters, wall thicknesses, S/SDR series and masses .....	7
5.3 Tolerances on mean outside diameters and out-of-roundness .....	10
5.4 Tolerances on wall thicknesses .....	12
6 Allowable operating pressures .....	14
6.1 Allowable operating pressures for pipes conveying water .....	14
6.2 Allowable operating pressures for pipes conveying other fluids .....	14
7 Form supplied .....	30
8 Marking .....	31
Annex A (informative) Explanatory notes .....	32
Annex B (informative) Bibliography .....	33
Figures Figure 1 -- Outside diameter and wall thickness .....	6
Tables Table 1 -- Safety factor SF as a function of the temperature .....	5
Table 2 -- Outside diameters, wall thicknesses, S/SDR series and masses .....	7
Table 3 -- Tolerances on mean outside diameters and out-of-roundness .....	10
Table 4 -- Tolerances on wall thicknesses .....	12
Table 5 -- Allowable operating pressures for PP-H pipes conveying water, safety factor (SF) = 1,6 - 1,25 (temperature-dependent) .....	15
Table 6 -- Allowable operating pressures for PP-H pipes conveying water, safety factor (SF) = 1,7 ..	17
Table 7 -- Allowable operating pressures for PP-B pipes conveying water, safety factor (SF) = 1,25 ..	19
Table 8 -- Allowable operating pressures for PP-B pipes conveying water, safety factor (SF) = 1,5 ..	21
Table 9 -- Allowable operating pressures for PP-R pipes conveying water, safety factor (SF) = 1,25 ..	23
Table 10 -- Allowable operating pressures for PP-R pipes conveying water, safety factor (SF) = 1,5 ..	25

<b>Table 11 -- Allowable operating pressures for PP-RCT pipes conveying water, safety factor (SF) = 1,25 .....</b>	<b>27</b>
<b>Table 12 -- Allowable operating pressures for PP-RCT pipes conveying water, safety factor (SF) = 1,5 .....</b>	<b>29</b>
<b>Table 13 -- Tolerances on nominal lengths .....</b>	<b>30</b>