

DIN 8077:2008-09 (E)

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

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

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