

# DIN 8078:2008-09 (E)

## Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - General quality requirements and testing

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Material .....	4
3.1	General .....	4
3.2	Proof of long-term hydrostatic strength .....	5
4	Requirements .....	10
4.1	Delivery condition .....	10
4.2	Surface condition .....	10
4.3	Dimensions and tolerances .....	10
4.4	Long-term hydrostatic strength .....	10
4.5	Impact strength test behaviour (inspection by attributes) .....	10
4.6	Changes after heat treatment .....	10
5	Testing .....	11
5.1	Surface condition .....	11
5.2	Dimensions .....	11
5.3	Out-of-roundness (ovality) .....	11
5.4	Long-term hydrostatic strength test .....	12
5.5	Impact strength test (inspection by attributes) .....	13
5.6	Heat reversion .....	14
5.7	Inspection documents .....	14
Annex A (informative)	Explanatory notes .....	15
Bibliography .....		17
Figures	Figure 1 -- Reference characteristic curves of the long-term hydrostatic strength (minimum curves) for PP-H pipes .....	6
	Figure 2 -- Reference characteristic curves of the long-term hydrostatic strength (minimum curves) for PP-B pipes .....	7
	Figure 3 -- Reference characteristic curves of the long-term hydrostatic strength (minimum curves) for PP-R pipes .....	8
	Figure 4 -- Reference characteristic curves of the long-term hydrostatic strength (minimum curves) for PP-RCT pipes .....	9
	Figure 5 -- Test pieces for long-term hydrostatic test .....	12
	Figure 6 -- Bar-shaped test piece for impact strength test .....	13
Tables	Table 1 -- Coefficients for calculating the reference characteristic curves .....	5
	Table 2 -- Test conditions for the long-term hydrostatic test .....	11

<b>Table 3 -- Impact strength test pieces .....</b>	<b>14</b>
<b>Table 4 -- Test conditions for heat treatment .....</b>	<b>14</b>
<b>Table A.1 -- Guideline values for some properties of PP materials .....</b>	<b>16</b>