
**Thermoplastics pipes for the
conveyance of fluids — Nominal
outside diameters and nominal
pressures —**

Part 1:
Metric series

AMENDMENT 1

*Tubes en matières thermoplastiques pour le transport des fluides —
Diamètres extérieurs nominaux et pressions nominales —*

Partie 1: Série métrique
AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*.

A list of all parts in the ISO 161 series can be found on the ISO website.

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Part 1: Metric series

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Terms and definitions

Replace entry 3.5 with the following:

3.5 minimum required strength MRS

value of the lower confidence limit, σ_{LPL} , at 20 °C and 50 years, rounded down to the next value in the R 10 series when σ_{LPL} is less than 10 MPa or down to the next value in the R 20 series when σ_{LPL} is greater than or equal to 10 MPa.

Note 1 to entry: The minimum required strength is expressed in megapascals.

Note 2 to entry: The R 10 series and the R 20 series conform to ISO 3.

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Clause 4

Replace Clause 4 with the following:

4 Nominal outside diameter, d_n

The nominal outside diameter, d_n , shall be selected from the values given in Table 1.

Table 1 — Values of nominal outside diameters, d_n

Dimensions in millimetres

2,5	10	40	125	250	500	1 000	2 250
3	12	50	140	280	560	1 200	2 500
4	16	63	160	315	630	1 400	2 800
5	20	75	180	355	710	1 600	3 000
6	25	90	200	400	800	1 800	
8	32	110	225	450	900	2 000	

Clause 6

Replace Clause 6 with the following:

6 Minimum required strength (MRS)

The MRS shall be selected from the values given in Table 3.

Table 3 — Values of minimum required strength (MRS)

Values in megapascals

1	8	25
1,25	10	28
1,6	11,2	31,5
2	12,5	35,5
2,5	14	40
3,15	16	45
4	18	50
5	20	
6.3	22,4	

NOTE The steps between the values from 1 to 10 are based on the R 10 series given in ISO 3 (25 % increments) whilst the steps between the values greater than 10 are based on the R 20 series (12 % increments).

Bibliography

Remove entry [1] from the Bibliography (ISO 497) and renumber entry [2] as follows:

[1] ISO 12162, *Thermoplastics materials for pipes and fittings for pressure applications — Classification, designation and design coefficient*

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