

Outer-Ø in mm	Wall thickness in mm	Min. production volume(m)
○ 30	1,5 - 2,0	1500
○ 40	1,5 - 3,0	1500
○ 45	1,5 - 3,0	1500
○ 50	1,5 - 3,0	1000
○ 60	2,0 - 3,0	1000
○ 65	2,0 - 3,0	1000
○ 70	2,0 - 3,0	1000
○ 80	2,0 - 3,0	500
○ 84	2,0 - 3,0	500
○ 90	2,0 - 3,0	500
○ 100 *)	2,0 - 3,0	500
○ 110	2,0 - 3,0	500
○ 120	2,0 - 3,0	500
○ 133	2,0 - 3,0	500
○ 140	2,5 - 4,0	500
○ 150 *)	2,5 - 4,0	500
○ 160	2,5 - 4,0	250
○ 170	2,5 - 4,0	250
○ 180 *)	2,5 - 4,0	250
○ 190	2,5 - 4,0	250
○ 195	2,5 - 4,0	250
○ 200 *)	3,0 - 4,0	250
○ 220	3,0 - 4,0	250
○ 230	3,0 - 4,0	250
○ 250	3,0 - 5,0	150
○ 273 *)	3,0 - 5,0	150
○ 300	3,0 - 5,0	150
○ 315	3,0 - 5,0	150
○ 324	3,0 - 5,0	150
○ 350	4,0 - 5,0	150
○ 400	4,0 - 5,0	150
○ 450	4,0 - 5,0	150
○ 500	4,0 - 5,0	150
Square-tubes		
□ 45x45	1,5 - 2,5	1000
□ 90x90	3,0	300
□ 100x100	3,0	300
□ 120x120	3,0	300
□ 170x170	3,5	200

TUBES – TECHNICAL SPECIFICATIONS

We also supply semi-finished tube products, precisely fabricated to your specifications. All our products are made in Germany.

As a manufacturer we generally do not keep all the illustrated varieties of tubes in stock. The table therefore only demonstrates the manufacturing capabilities. Other diameters and lengths as well as impact resistant or coloured applications upon request.

Materials: ○ PMMA (Acrylic) and PC (Polycarbonate)
□ PMMA (Acrylic)

Colours: ○ transparent (clear), opal (white), diffuse (satinated)
□ opal (white), diffuse (satinated)

Tolerances for PC and PMMA tubes

The following manufacturing tolerances apply at a reference temperature of 20° C.

Tolerances for roundness (in % of outer diameter):

Ø 30 mm to Ø 249 mm = ± 1.0%
Ø 250 mm to Ø 500 mm = ± 1.5 %

Tolerances for wall thickness (in %):

Ø 30 mm to Ø 249 mm = ± 10.0 %
Ø 250 mm to Ø 500 mm = ± 12.5 %

Tolerances for length (in mm):

Production lengths up to 5.000 mm ±10,0 mm
(automatic cuts within the extrusion line)

Separate cutting service (manual cuts) for lengths (L)

L ≤ 1.000 mm ± 1,0 mm

1.000 < L ≤ 2.000 mm ± 1,5 mm

L > 2.000 mm upon demand

A small recess of 0.2 mm may occur at the cut edges.

Tolerances for straightness:

maximum deviation: 3.0 mm on 1.000 mm chord length

Optical properties:

Optical rings and extrusion marks are unavoidable due to the production process.

Square-tubes:

Specific tolerances upon request



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