

	MB-Euro-Systemrohr 17 (Euro system pipe)	MB-Euro-Systemrohr 12 (Euro system pipe)	MB-Systemrohr 17 (System pipe)	MB-Euro-Systemrohr 22 (Euro system pipe)	Standard pipe
External diameter	17.2 mm	12.2 mm	17.0 mm	22.2 mm	-
Internal diameter	12.6 mm	8 mm	12.6 mm	17.5 mm	-
Wall thickness min.	2.2 mm	2.2 mm	2.2 mm	2.4 mm	2.0 mm
Permitted deviation	+ 0.3 mm	+ 0.3 mm	+ 0.3 mm	+ 0.3 mm	0.4 mm
Water content	0.125 l/m	0.050 l/m	0.125 l/m	0.241 l/m	-
Raw material	Copolymer stabilised under heat, Raw material development for MULTIBETON, UV stable, highly molecular, durable, and ageing resistant; aluminium	Copolymer stabilised under heat, Raw material development for MULTIBETON, UV stable, highly molecular, durable, and ageing resistant; aluminium	Copolymer stabilised under heat, Raw material development for MULTIBETON, UV stable, highly molecular, durable, and ageing resistant	Copolymer stabilised under heat, Raw material development for MULTIBETON, UV stable, highly molecular, durable, and ageing resistant; aluminium	-
Pipe structure	3-ply composite safety pipes with aluminium sealing layer	3-ply composite safety pipes with aluminium sealing layer	Single-ply	3-ply composite safety pipes with aluminium sealing layer	-
Creep test	> 1,000 h 2.5 N/mm ² , 95 °C	> 1,000 h 2.5 N/mm ² , 95 °C	> 1,000 h 2.5 N/mm ² , 95 °C	> 1,000 h 2.5 N/mm ² , 95 °C	> 1,000 h 2.5 N/mm ² , 95 °C
Changes under heat treatment	0.2 %	0.2 %	0.2 %	0.2 %	2 %
Fractures under notch impact	0 (at -10 °C)	0 (at -10 °C)	0 (at -10 °C)	0 (at -10 °C)	10 (at -10 °C)
Dimensional stability	Up to 150 °C	Up to 150 °C	Up to 150 °C	Up to 150 °C	-
Bursting pressure	61 bar at 20 °C	61 bar at 20 °C	59 bar at 20 °C	61 bar at 20 °C	-
Diffusion resistance	0.0014 g × m ⁻³ × d ⁻¹	0.0014 g × m ⁻³ × d ⁻¹	-	0.0014 g × m ⁻³ × d ⁻¹	0.1 g × m ⁻³ × d ⁻¹
Self-monitoring of pipes	Per ring/machine	Per ring/machine	Per ring/machine	Per ring/machine	Daily/machine
Self-monitoring of melt flow index	1x/week, at start of each production, each delivery, each batch change	1x/week, at start of each production, each delivery, each batch change	1x/week, at start of each production, each delivery, each batch change	1x/week, at start of each production, each delivery, each batch change	-
Melt flow index	0.1 g 230 °C, 2 x 5 min	0.1 g 230 °C, 2 x 5 min	0.1 g 230 °C, 2 x 5 min	0.1 g 230 °C, 2 x 5 min	max. 0.3 g 230 °C, 2 x 5 min
Use of regrind	No	No	No	No	-
Certificates	TÜV, KOMO, ÖNORM, CE	CE	TÜV, ÖNORM, CE	CE	-
Connections	Screw fittings	Screw fittings	Screw fittings, welding sleeves	Screw fittings	-
Delivery units	200 m, 300 m, 500 m	100 m, 200 m, 300 m, 500 m	200 m, 300 m, 500 m	500 m	-

