

	MB Euro system pipe 12 (MB-ER12)	MB Euro system pipe 17 (MB-ER17)	MB system pipe (MB-SR17)	MB Euro system pipe 22 (MB-ER22)
External diameter	12.0 mm	17.0 mm	17.0 mm	22.0
Permitted deviation	12.0 mm + 0.3 mm	17.0 mm + 0.3 mm	17.0 mm + 0.3 mm	22.0 mm + 0.3 mm
Internal diameter	7.6 mm	12.6 mm	12.6 mm	17.2 mm
Wall thickness min.	2.2 mm	2.2 mm	2.2 mm	2.4 mm
Water content	0.050 l/m	0.125 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
Changes under heat treatment	0.2 %	0.2 %	0.2 %	0.2 %
Fractures under notch impact	0 (at -10 °C)	0 (at -10 °C)	0 (at -10 °C)	0 (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
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
Use of regrind	No	No	No	No
Certificates	CE	TÜV, KOMO, ÖNORM, CE	TÜV, ÖNORM, CE	CE
Connections	Screw fittings	Screw fittings	Screw fittings, Welding sleeves	Screw fittings
Delivery units	100, 200 m, 300 m, 500 m	200 m, 300 m, 500 m	200 m, 300 m, 500 m	500 m

