

# PE PIPE

## PRESSURE PIPE PE100

### USE

Polyethylene pressure pipes are used for transporting liquids. E.g. Pressurised water, process water, wastewater spills and stormwater. MuoviTech manufactures only in PE100, a material with better properties than older, developed materials such as PE80.

### PROPERTIES

Corrosion resistance

Good hydraulic properties

Can withstand large deformations without breakage with very good impact resistance

Long life

Fixed joints

Light weight

### PRODUCT INFORMATION

Dimensions: 16-225mm

Pressure classes: PN10 SDR17 and PN16 SDR11

Material: PE100 and PE100RC

Stripe: Blue for drinking water and Brown for waste.



Length is designed for optimal transport and easy installation.

### CERTIFICATE

The pipes are produced according to INSTA SBC 12201 EN 12201:2003, certificate 5029.

\*Ø45 is not included in the instacert certificate 5029.

### NOMINAL PRESSURE

The nominal pressure (PN) is valid for a maximum temperature of 20°C.

If the pressure is reduced by a factor of 0,74 a maximum temperature of 40°C can be used without endangering the lifetime expectancy.

# MuoviTech®

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## TECHNICAL DATA

### SDR11 PN16

	Outer diameter		Wall thickness		Estimated Weight kg/m
	Min mm	Max mm	eMin mm	eMax mm	
Ø16	16,0	16,3	2,0	2,3	0,091
Ø20	20,0	20,3	2,0	2,3	0,117
Ø25	25,0	25,3	2,3	2,7	0,171
Ø32	32,0	32,3	3,0	3,4	0,279
Ø40	40,0	40,4	3,7	4,2	0,431
Ø45	45,0	45,4	4,1	4,6	0,514
Ø50	50,0	50,4	4,6	5,2	0,669
Ø63	63,0	63,4	5,8	6,5	1,057
Ø75	75,0	75,5	6,8	7,6	1,476
Ø90	90,0	90,6	8,2	9,2	2,139
Ø110	110,0	110,7	10,0	11,1	3,172
Ø125	125,0	125,8	11,4	12,7	4,115
Ø140	140,0	140,9	12,7	14,1	5,129
Ø160	160,0	161,0	14,6	16,2	6,732
Ø180	180,0	181,1	16,4	18,2	8,509
Ø200	200,0	201,2	18,2	20,2	10,493
Ø225	225,0	226,4	20,5	22,7	13,282

### SDR17 PN10

	Outer diameter		Wall thickness		Estimated Weight kg/m
	Min mm	Max mm	eMin mm	eMax mm	
Ø32	32,0	32,3	2,0	2,3	0,194
Ø40	40,0	40,4	2,4	2,8	0,295
Ø45	45,0	45,4	2,6	3,1	0,378
Ø50	50,0	50,4	3,0	3,4	0,453
Ø63	63,0	63,4	3,8	4,3	0,722
Ø75	75,0	75,5	4,5	5,1	1,019
Ø90	90,0	90,6	5,4	6,1	1,465
Ø110	110,0	110,7	6,6	7,4	2,180
Ø125	125,0	125,8	7,4	8,3	2,780
Ø140	140,0	140,9	8,3	9,3	3,490
Ø160	160,0	161,0	9,5	10,6	4,555
Ø180	180,0	181,1	10,7	11,9	5,762
Ø200	200,0	201,2	11,9	13,2	7,110
Ø225	225,0	226,4	13,4	14,9	9,019

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