

specifications

pipe dimensions & weights to DIN 8074/5

Outside Diameter mm	TERRALINE®/TERRADRAIN 17					TERRALINE®/TERRADRAIN 11				
	Wall thickness	Inside diameter	Weight	Safe end loading tonnes	Max tension load tonnes	Wall thickness	Inside diameter	Weight	Safe end loading tonnes	Max tension load tonnes
	mm	mm	Kg/m	FPO	FTO	mm	mm	Kg/m	FPO	FTO
63	NA	NA	-	-	-	5.8	51.4	1.05	-	-
90	NA	NA	-	-	-	8.2	73.6	2.12	-	-
110	6.3	97.4	2.08	-	0.70	10.0	90.0	3.14	3.20	1.05
125	7.1	110.8	2.66	-	0.90	11.4	102.2	4.08	4.10	1.40
160	9.1	141.8	4.35	-	1.50	14.6	130.8	6.67	6.80	2.33
180	10.2	159.6	5.48	-	1.90	16.4	147.2	8.42	8.60	2.90
200	11.4	177.2	6.79	4.70	2.35	18.2	163.6	10.4	10.60	3.60
225	12.8	199.4	8.55	5.90	2.95	20.5	184.0	13.1	13.40	4.60
250	14.2	221.6	10.6	7.30	3.70	22.8	204.4	16.2	16.60	5.65
280	15.9	248.2	13.2	9.20	4.60	25.5	229.0	20.3	20.80	7.10
315	17.9	279.2	16.7	11.60	4.75	28.7	257.6	25.7	26.40	7.40
355	20.1	314.8	21.2	14.80	4.90	32.3	290.4	32.6	33.50	7.60
400	22.7	354.6	26.9	18.80	6.20	36.4	327.2	41.4	42.50	9.60
450	25.5	399.0	34.0	23.80	7.80	40.9	368.2	52.4	53.80	12.25
500	28.3	443.4	41.9	29.40	9.50	45.4	409.2	64.6	66.50	15.00
560	31.7	496.6	52.5	36.80	12.00	50.8	458.4	81.1	83.40	18.70
630	35.7	558.8	66.5	46.20	15.00	57.2	515.6	102.5	105.60	23.50

physical properties

PROPERTY	STANDARD	UNIT	VALUE
DENSITY	DIN 53479	g/cm ³	0.953
MFI 190/5	DIN 53735	g/10min	0.7-1.0
TENSILE STRESS AT YIELD	DIN 53455	N/mm ²	21
ELONGATION AT YIELD	DIN 53455	%	10
TENSILE STRESS AT BREAK	DIN 53495	N/mm ²	30-33
ELONGATION AT BREAK	DIN 53455	%	>600
MODULUS OF ELASTICITY (SHORT TERM)	DIN 53457	N/mm ²	800
MODULUS OF ELASTICITY (LONG TERM)	DIN 53457	N/mm ²	150
TEMPERATURE RANGE	-	°C	-20 to +40

FTO – Flush thread with 'O' ring
FPO – Flush push fit with 'O' ring

