

DATA SHEET

KUSTOMFLO™ CLOSED PROFILE PIPE

PRODUCT DESCRIPTION : Pipe with smooth interior and exterior walls

APPLICATION : Gravity flow of water in networks, water course piping and sanitary sewer.

MANUFACTURING STANDARDS : Meets ASTM F894 requirements⁽¹⁾ or depending on the project constraints.

RAW MATERIAL : Made of high-density polyethylene (HDPE) ASTM D3350

TECHNICAL DATA : Length : 5,7 m (18,7 ft)
 Manning : 0,009 n
 Ring stiffness constant : RSC250 (standard) or depending on the project constraints.
 Structural strength : CAN/CSA S6 (CL-625), AASHTO (H-25 et HS-25) and COOPER(E-80)



AVAILABLE COUPLERS : Soil tight (without gasket)
 Watertight
 Electrofusion joint - on request
 Flange joint - on request

TECHNICAL DATA TABLE⁽¹⁾ (REF: RSC250)

Diameters						Manning	Mass		Minimum backfill				Maximum backfill			
Nominal		Inside		Outside			n	kg/m	lb/ft	CL-625		E-80		CL-625		E-80
mm	in	mm	in	mm	in	m				ft	m	ft	m	ft	m	ft
500 ⁽²⁾	19,7 ⁽²⁾	500	19,7	595	23,4	0,009	on request		0,76	2,5			13,4	44,0		
600	23,6	600	23,6	695	27,4	0,009	34	22,8	0,76	2,5			10,7	35,1		
800	31,5	800	31,5	902	35,5	0,009	48	32,3	0,76	2,5			9,4	30,8		
1000	39,4	1000	39,4	1124	44,3	0,009	63	42,3	0,85	2,8			8,2	26,9		
1200	47,2	1200	47,2	1346	53,0	0,009	82	55,1	0,76	2,5			7,9	25,9		
1400	55,1	1400	55,1	1592	62,7	0,009	94	63,2	0,76	2,5			7,9	25,9		
1500	59,1	1500	59,1	1694	66,7	0,009	100	67,2	0,76	2,5	Available on request ⁽¹⁾		7,9	25,9	Available on request ⁽¹⁾	
1600	63,0	1600	63,0	1794	70,6	0,009	106	71,2	0,76	2,5			7,9	25,9		
1800	70,9	1800	70,9	1998	78,7	0,009	135	90,7	0,76	2,5			7,6	24,9		
2000	78,7	2000	78,7	2234	88,0	0,009	155	104,2	0,76	2,5			7,3	24,0		
2200	86,6	2200	86,6	2436	95,9	0,009	178	119,6	0,76	2,5			7,3	24,0		
2400	94,5	2400	94,5	2640	103,9	0,009	211	141,8	0,76	2,5			7,0	23,0		
3000 ⁽²⁾	118,1 ⁽²⁾	3000	118,1	3254	128,1	0,009	340	228,5	0,76	2,5			7,0	23,0		

Note 1: The profile of the KustomFlo pipe can be designed according to the constraints specific to the project. This datasheet defines data for closed profile KustomFlo pipe which meets ASTM F894 and has a RSC250 ring stiffness . Please contact your Soleno representative for specific needs.

Note 2: Those diameter are only available on request.

APPLICATIONS : Detention storage
 Culvert
 Culvert rehabilitation
 Storm water, sanitary and combined sewer
 Tank
 Custom piece

INSTALLATION : Visit our website at www.soleno.com for the installation guide.

NOTE : Technical data is for informational purposes only and may vary without notice.