

## DATA SHEET

### KUSTOMFLO™

**PRODUCT DESCRIPTION :** Pipe with smooth interior wall

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

**MANUFACTURING STANDARDS :** Meets ASTM F894 requirements<sup>(1)</sup> or as required by project constraints.

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

**TECHNICAL DATA :** Length : 6,1 m (20 ft)

Lengths available on request: 4.0 to 6.7 m (13.1 to 22.0 ft)

Ring stiffness constant : RSC250 or as required by project constraints



**AVAILABLE JOINTS :** Soil tight  
Watertight  
Electrofusion  
Flange

### TECHNICAL DATA TABLE<sup>(1)</sup> (RSC250)

Diameters						Manning	Mass		Minimum backfill <sup>(2)</sup>		Maximum backfill <sup>(3)</sup>	
Nominal		Inside		Outside			n	kg/m	lb/ft	m	ft	m
mm	in	mm	in	mm	in							
600	24	610	24,0	706	27,8	0,009	34	23	0,6096	2,0	17,22	56,5
900	36	914	36,0	1043	41,1	0,009	49	33	0,6096	2,0	11,70	38,4
1050	42	1067	42,0	1174	46,9	0,009	63	42	0,6096	2,0	8,44	27,7
1200	48	1219	48,0	1365	53,8	0,009	82	55	0,6096	2,0	8,44	27,7
1350	54	1372	54,0	1565	61,6	0,009	94	63	0,6096	2,0	8,44	27,7
1500	60	1500	59,1	1705	67,1	0,009	102	68	0,6096	2,0	8,44	27,7
1650	66	1676	66,0	1870	73,6	0,009	108	72	0,6096	2,0	8,20	26,9
1800	72	1800	70,9	2015	79,3	0,009	145	98	0,6096	2,0	8,20	26,9
2100	84	2100	82,7	2357	92,8	0,009	194	130	0,6096	2,0	8,26	27,1
2400	96	2438	96,0	2686	105,8	0,009	223	150	0,6096	2,0	7,25	23,8
2700	108	2743	108,0	3035	119,5	0,009	332	223	0,6096	2,0	8,87	29,1
3000	120	3048	120,0	3341	131,6	0,009	367	247	0,6096	2,0	7,99	26,2
3400	136	3454	136,0	3785	149,0	0,009	416	279	0,6096	2,0	7,07	23,2

Note 1: This data sheet defines data for KustomFlo closed profile pipe, conforming to ASTM F894, RSC250. KustomFlo pipe can also be adapted to the constraints of the project. Please contact your Soleno representative for different applications.

Note 2 : Minimum backfill determined considering a Class I material, according to ASTM D2321.

Note 3 : Maximum backfill determined considering HS-20 road loads, no groundwater, Class II material according to ASTM D2321 and density of 2000 kg/m<sup>3</sup>, and a ratio to the bottom of the trench of 1.5 x Dext. Greater burial depths are possible upon request.

Note 4: Values in the table are approximate and may change without notice.

## DATA SHEET

### KUSTOMFLO™ (CONT'D)

**APPLICATIONS :** Detention system                      Storm water, sanitary and combined sewer  
Culvert    Tank  
Culvert relining    Custom projects  
Intake/outfall    Penstock  
Manhole and catch basin                      Pumping station and access wells

**INSTALLATION :** Visit our website at [www.soleno.com](http://www.soleno.com) for the installation guide.