



SOLENO
MASTERING WATER SUSTAINABLY

DATA SHEET

KUSTOMFLO OPEN PROFILE PIPE

PRODUCT DESCRIPTION: Structural profile wall HDPE pipe with smooth interior and corrugated exterior walls.

APPLICATIONS: Conveyance, detention, culverts, culvert rehabilitation, stormwater, sanitary and combined sewer, tanks, storage, manholes, and other custom structures and fittings.

RAW MATERIAL: High-density polyethylene (HDPE) ASTM D3350 meeting the requirements of cell classification PE 334433C (or E).



TECHNICAL DATA: Length: 20 ft/6.1 m (custom lengths available)
Integrated Socket and Spigot
Manning's n 0.009

WATERTIGHT JOINING SYSTEMS: Double gasket
Electrofusion joint
Extrusion weld

TECHNICAL DATA TABLE⁽¹⁾

KUSTOMFLO STANDARD SIZES – OPEN PROFILE – PR250									
Nom ID <i>Inch</i>	Nom ID <i>MM</i>	Actual ID <i>Inch</i>	Actual ID <i>MM</i>	Actual OD <i>Inch</i>	Actual OD <i>MM</i>	Flow ² <i>M³/s</i>	Flow ² <i>Ft³/s</i>	Storage <i>ft³/ft</i>	Storage <i>m³/m</i>
24	600	24.0	610	27.8	706	0.93	32.7	3.1	0.3
36	900	36.0	914	41.6	1056	2.73	96.3	7.1	0.7
42	1100	42.0	1067	48.4	1229	4.12	145.3	9.6	0.9
48	1200	48.0	1219	54.4	1381	5.87	207.4	12.6	1.2
54	1400	54.0	1372	61.7	1566	8.05	284.0	15.9	1.5
60	1500	59.1	1500	66.7	1695	10.21	361.3	19.1	1.8
66	1700	66.0	1676	75.2	1910	13.73	485.1	23.8	2.2
72	1800	70.9	1800	80.0	2033	16.60	587.0	27.4	2.5
84	2100	82.7	2100	92.0	2337	25.05	885.3	37.3	3.5
96	2400	96.0	2438	106.6	2708	37.29	1,317.4	50.3	4.7
108	2700	108.0	2743	118.7	3015	51.06	1,803.6	63.6	5.9
120	3000	120.0	3048	131.3	3334	67.64	2,388.7	78.5	7.3
136	3400	136.0	3454	147.3	3740	94.41	3,332.5	100.9	9.4

Note 1: The profile of the KUSTOMFLO pipe can be designed according to the constraints specific to the project. This datasheet defines data for open profile KUSTOMFLO pipe with a ring stiffness classification of RSC250. Please contact your Soleno representative for specific needs.

Note 2: Flow calculated at a full pipe flow with a 1.0% slope.

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

NOTES: For burial depth information and any other inquiries, please contact info@solenousa.com.

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