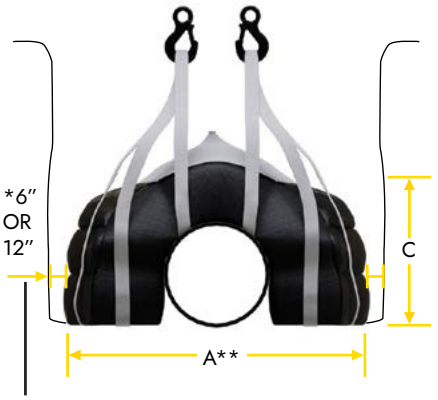
Geotextile Pipeline Weights

Geotextile pipeline weights (GPWs) provide negative buoyancy to stabilize pipelines in wet or marshy areas. Constructed of a woven, non-biodegradable polypropylene fabric with a pH range between 2-13, these bag weights are draped over the top of pipelines. Their saddle bag-style design allows them to sit low on the pipe and maximize ditch space. The GPW's fabric is resistant to commonly encountered soil chemicals, mildew and insects, and its permeability does not impede cathodic protection. The included table provides information concerning nominal pipe sizes, weights and dimensions. *For additional details, please contact Allan Edwards, Inc.*

Bag Data

Geotextile		Load Slings		Bag Size			Filled Weights		*Qty Per Load
Pipe Size	Material Weight (Thickness)	Width (Ea)	Load Rating	A**	B	C	LB	KG	
6″	220 g/m²	4″	4 x 6000 lbs	29″	44″	20″	440	200	109
8″	220 g/m²	4″	4 x 6000 lbs	29″	44″	20″	660	300	65
10″	220 g/m²	4″	4 x 6000 lbs	30″	56″	36″	1,100	500	45
12″	220 g/m²	4″	4 x 6000 lbs	30″	56″	36″	1,600	700	30
16″	400 g/m²	4″	4 x 6000 lbs	36″	84″	36″	2,500	1,134	19
20″	400 g/m²	4″	6 x 6000 lbs	60″	80″	52″	5,000	2,258	9
24″	400 g/m²	4″	6 x 6000 lbs	60″	80″	52″	5,000	2,268	9
30″	400 g/m²	4″	6 x 6000 lbs	84″	80″	57″	7,000	3,175	6
36″	400 g/m²	4″	6 x 6000 lbs	84″	80″	57″	9,000	4,080	5
42″	400 g/m²	4″	6 x 6000 lbs	91″	96″	70″	12,500	5,670	4
48″	400 g/m²	4″	6 x 6000 lbs	91″	96″	70″	15,000	6,818	3

**Note: Quantities based on hauling 48,000 lb (21,750 Kg) loads*
***Note: Widths are approximate, final ditch width should be determined on site*



**Recommended Clearance*

ASTM Testing Data

Items	Unit	Average Value	Coefficient Of	Test Method
Mass per Unit Area	g/m²	411	0.007	ASTM D5261
Grab Tensile Strength (MD)	kN	2.34	0.06	ASTM D4632
Grab Elongation (MD)	%	15	0.028	ASTM D4632
Grab Tensile Strength (CD)	kN	1.94	0.05	ASTM D4632
Grab Elongation (CD)	%	14.4	0.04	ASTM D4632
Trapezoidal Tear Strength (MD)	kN	1.2	0.036	ASTM D4533
Trapezoidal Tear Strength (CD)	kN	0.94	0.046	ASTM D4533
Puncture Resistance	kN	114	0.028	ASTM D4833
Mullen Burst Test	Mpa²	5.37	0.028	ASTM D3786
Permittivity	l/s	0.052	0.053	ASTM D4491
Water Flow Rate	l/min/m²	7.1	0.049	ASTM D4491
Apparent Opening Size (O95)	mm	0.228	0	ASTM D4751

Key:

A = Width (front/back view)
B = Length (side)
C = Height

Allan Edwards, Inc. 6468 N Yale Ave. Tulsa, OK 74117 allanedwards.com (918) 583-7184