

INLET PRO SEDIMENT BAG™: High Flow Product Data Sheet *

FUNCTION: INLET PRO SEDIMENT BAGS™ are an important part of standard Best Management Practices (BMPs) that should always be implemented to reduce surface water pollution from construction stormwater runoff. They are specifically designed to help retain the sediment and debris that can become dislodged and suspended in flows during rain events; utilizing this form of inlet protection can reduce the potential impacts of sedimentation.

GEOTEXTILE: High Flow INLET PRO SEDIMENT BAGS™ are manufactured from a geotextile fabric consisting of polypropylene filaments/yarns that are woven into a stable, durable network such that the filaments/yarns retain their relative position. The geotextile fabric is non-biodegradable, resistant to most common soil chemicals¹, acids¹ or alkali¹, and is manufactured to meet the minimum average roll values (MARVs) listed in the following table:

PROPERTY	PROCEDURE	U.S. Standard		Metric	
		MD	XMD	MD	XMD
Tensile Strength	ASTM D4632	365 lbs	200 lbs	1.624 kN	.890 kN
Tensile Elongation	ASTM D4632	24 %	15 %	24 %	15 %
Wide Width Tensile ²	ASTM D4595	2,400 lbs/ft	1,680 lbs/ft	35.0 kN/m	24.52 kN/m
CBR Puncture	ASTM D6241	750 lbs		3,336 N	
Trapezoid Tear	ASTM D4533	115 lbs	75 lbs	.512 kN	.334 kN
UV Resistance	ASTM D4355	90 % @ 500 hrs		90 % @ 500 hrs	
Mullen Burst	ASTM D3786	450 psi		3,102 kPa	
AOS	ASTM D4751	40 US Sieve		.425 mm	
Open Area	COE-02215	10 %		10 %	
Permittivity	ASTM D4491	2.1 sec ⁻¹		2.1 sec ⁻¹	
Water Flow Rate	ASTM D4491	145 gal/min/ft ²		5,907 l/min/m ²	

Notes:

¹ pH range 3 to 12, only chemicals, acids or alkali common to soil

² Ultimate strength values, T_{ult}

SEWING: All seams are produced using a double needle lock stitch with high strength, weather resistant nylon thread. The webbing terminations are also stitched using the same nylon thread in a box-x pattern.

WEBBING: The reinforcement webbing for the sack and center expansion restraint (optional) is woven using high strength, Hi-Vis orange polyester filaments/yarns and is manufactured to meet the nominal values listed in the following table:

PROPERTY	PROCEDURE	U.S. Standard	Metric
		MD	MD
Break Strength	Measured	3,200 lbs	14.249 kN
Elongation @ Break	Measured	≤ 15 %	≤ 15%
Width	Measured	1.0 in	25.4 mm

***DISCLAIMER:** Hanes Geo Components warrants that the product characterized on this Product Data Sheet, when delivered, shall conform to the specifications described herein, and will replace the product or refund the purchase price upon notice of defect made within sixty days of delivery and prior to installation. **ALL OTHER WARRANTIES, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.** The final determination as to the suitability of the product in any particular application rests solely with the purchaser. Hanes Geo Components reserves the right to alter or modify its products and descriptions at any time without notice.