

Indian Valley Industries, Inc.

Technical Data Sheet

IVI Woven Monofilament Filter Bag

A high quality woven monofilament geotextile of 100% polypropylene stable fibers designed for the heavy construction industry because of its flow rates and durable qualities. It meets or exceeds the following physical properties.

Use Indian Valley Industries Silt Filtration Bags whenever water must be pumped and filtered. The bags accommodate up to a 6" discharge hose depending on the size of the bag. It is the Best Management Practice (BMP) to use for dewatering.

APPLICATIONS:

Dewatering lakes and ponds. Dewatering construction sites and excavations

IVI FILTER BAG FEATURES:

High strength double stitched "J" type seams. Maximum strength design for hose attachment. Custom manufacturing to customer specifications available

INSTALLATION:

Install IVI Filter Bag as level as possible on an aggregate or hay bed to maximize water flow through the entire surface area of the bag. Monitor the bag during the pumping process to prevent overfilling.

The IVI Filter Bag is full when it no longer can efficiently filter sediment or allow water to pass through it at a reasonable rate. Flow rates will vary depending on the size of the bag, the type and amount of sediment discharged into the filter bag, the type of ground, rock, or other substance under the bag. Excessive flow rate or overfilling the IVI Filter Bag with sediment will cause the bag to rupture.

DISPOSAL: As required by inspector at site.

Physical Property	Test Method	Data (metric)
Grab Tensile Strength	ASTM D-4632	365 x 200 lbs (1.62 x 0.89 kN)
Grab Tensile Elongation	ASTM D-4632	15%
Wide Width Tensile Strength	ASTM D-4595	200 x 140 lbs/in 2400 x 1680 lbs/ft (35.03 x 24.52 kN/m)
Mullen Burst Strength	ASTM D-3786	450 psi (3100 kPa)
Trapezoid Tear Strength	ASTM D-4533	115 x 75 lbs (0.51 x 0.33 kN)
Puncture Strength	ASTM D-4833	90 lbs (0.40 kN)
CBR Puncture	ASTM D-6241	675 lbs (3.00 kN)
UV Resistance	ASTM D-4355	90% @ 500 hrs
Permittivity	ASTM D-4491	2.1 sec ⁻¹
Water Flow Rate	ASTM D-4491	145 gpm/ft ² (5907 lpm/m ²)
Percent Open Area	CW-02215	11-15%
Apparent Opening Size	ASTM D-4751	30-40 US Sieve (0.600-0.425mm)
<ul style="list-style-type: none">• Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.• The properties reported above are effective 08/01/10 and are subject to change without notice.		

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P.O. Box 810 Johnson City, NY 13790

Phone: (607) 729-5111 (800) 659-5111 Fax: (607) 729-5158

www.ivindustries.com

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