

Indian Valley Industries, Inc.

Technical Data Sheet

IVI Non-Woven Silt Filtration Bags

A high quality needle-punched non-woven geotextile of 100% polypropylene stable fibers. This fabric resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. It meets or exceeds the following physical properties.

PRODUCT TEST DATA			
Physical Property	Test Method	MARV	MARV
Weight	ASTM D-5261	8.0 oz/yd ² (271 g/m ²)	10.0 oz/yd ² (339 g/m ²)
Thickness	ASTM D-5199		110 mils (2.79mm)
Grab Tensile Strength	ASTM D-4632	205 lbs (910 N)	270 lbs (1202 N)
Grab Elongation	ASTM D-4632	50%	
Trapezoidal Tear	ASTM D-4533	85 lbs (378 N)	100 lbs (444 N)
Puncture Resistance	ASTM D-4833	130 lbs (578 N)	165 lbs (733 N)
Mullen Burst	ASTM D-3786	400 psi (2756 kPa)	525 psi (3617 kPa)
UV Resistance (@ 500 hrs)	ASTM D-4355	70%	
Permittivity	ASTM D-4491	1.4 sec ⁻¹	0.94 sec ⁻¹
Permeability	ASTM D-4491		.3 cm/sec
Water Flow	ASTM D-4491	90 gpm/ft ² (3657 l/m/m ²)	75 gpm/ft ² (3055 l/m/m ²)
Apparent Opening Size (AOS)*	ASTM D-4751	80 U.S. Sieve (0.18 mm)	100 U.S. Sieve (0.15 mm)

*Maximum average roll value.

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.