



GORE® Filtration Products

MEMBRANE FILTER SOCKS FOR THE RECAUST PLANT

Polypropylene Felt
441 g/m² (13 oz/yd²)

Description

The first membrane laminate filter sock used in tubular backwash filters. It is constructed with a membrane on the outside allowing for superior filtration, excellent cake release properties, and minimal backwash volume.

Features & Benefits

- GORE™ High Flow Membrane technology provides an excellent combination of filtration efficiency, liquid flow, and durability.
- Welded construction, with a unique EPDM o-ring to essentially eliminate any potential for by-passing.

Applications

- **White Liquor Filtration:** This reduces the impact of calcium carbonate scaling on the digester liquor heaters. It also eliminates evaporator tube fouling, and reduces the cost of chemical consumption in the bleach plant.
- **Weak Wash Filtration:** This further reduces the amount of soda in the lime mud being fed into the lime kiln. It allows better operation of the kiln by providing a properly washed and drier cake to feed the kiln.

Laminate Technical Data

Weight:	441 g/m ² (13 oz/yd ²)
Fiber Content:	Fiber - Polypropylene Scrim – Polypropylene Ribbon
Felt Construction:	Supported Needlefelt
DI Water Permeability (Minimum):	3.45 m ³ /h @ 69 kPa (15 gpm @10 psi)
Continuous Service Temperature	94°C (200°F)
Acid Resistance:	Excellent
Alkali Resistance:	Excellent
Breaking Strength:	
• Machine Direction (Average):	396 N/5 cm (90 lb/2 in) wide sample
• Cross-Machine Direction (Average):	798 N/5 cm (180 lb/2 in) wide sample
Mullen Burst:	1379 kPa (200 psi)

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