

Specification of chain woven polypropylene filter cloth

Information given below is indicative only

Polypropylene filter cloth – chain weave is required for the filtration of unclarified pregnant liquor having a slime content of 350 - 500 NTU to get a clarified liquor solution of 10 - 15 NTU clarity under a vacuum of 500-600 mm of Hg of rotary drum precoat filter.

Width of cloth	:	115 cm (45")
Weight per square meter	:	280 gms to 300 gms
Breaking Strength	:	warp - 180 kgs
(5 cm x 20 cm strip)		weft - 200 Kgs
Air Permeability (under	:	1300 \pm 50 l/m ² .Sec
Differential pressure of		
12 mm of WG)		

Important: ½ m X ½ m square must be supplied with offer for evaluation without which offer shall be rejected.

1. The cake side of the grey filter media should be heat set for uniformity of porosity and smoothness.
2. Sample received with offer shall only be considered for evaluation (½ m X ½ m square). No other sample shall be accepted after receipt of original sample of filter fabric with offer

3. Clarification test with Buckner funnel method shall be carried out for evaluation of the offered fabric. A precoating layer of one inch shall be formed over the fabric with filter Aid with the help of vacuum. This shall be put under clarification test with Unclarified Pregnant Liquor (UPL) solution having turbidity of 350-500 NTU. However for the sample of the cloth to qualify must be having a filtration rate of 400 +/- 10 seconds to filter the liquor of 4 liters for the duty conditions mentioned above. If the rate of filtration is faster than the mentioned range provided the turbidity is within the limit ($\leq 10 - 15$ NTU) then the particular fabric shall be qualified for further consideration provided the party complies with other Terms & Conditions.