



FIBREGLASS FILTRATION PRODUCTS

PRE-SEWN SHAPES FOR FILTRATION AND DIFFUSION

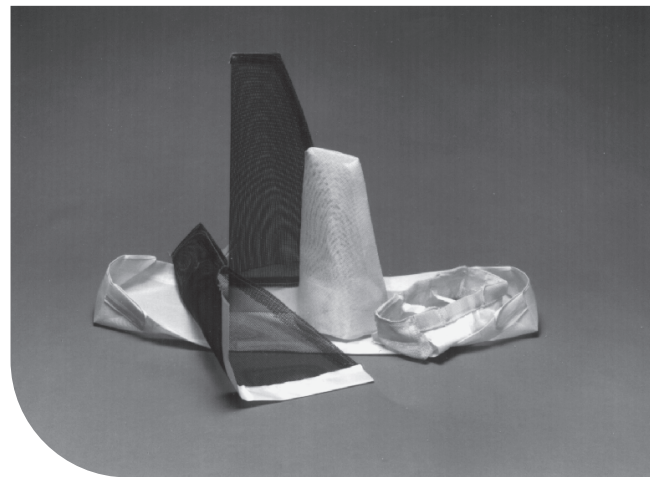
Pyrotek filtration fabrics are designed and woven for diffusing and filtering aluminium. The fabrics have high twist yarns that control strand diameters and resist flattening or distortion under pressure from molten metal contact. The weave pattern integrity is maintained with an organic resin or ceramic coating, and with leno construction that creates a unique density. The fabrics are produced in an ISO 9001:2008 approved facility, and tests are run on each batch for loss on ignition, rigidity, and hole size.

BENEFITS

- Easy installation
- Reduces turbulence
- Improves metal distribution
- Reduces scrap
- Removes oxides
- Eliminates spike racks
- Produces minimal odour and smoke upon contact with molten aluminium due to ceramic coating and other fabric treatments

APPLICATIONS

- Channel bags
- Launder windsocks
- Spout socks
- Combo bags



AVAILABILITY

- Standard three strand fabric construction is used for regular alloys in standard temperature ranges
- Four and six strand construction are available, in common styles, for aggressive alloys and higher temperature range casts
- Offered in a variety of weaves and coatings, and are available in custom made pre-sewn shapes, with or without gaskets or wires, and in roll form





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Style Number	Strand Diameter		Strand Count per 10 cm (3.94 in)	Holes per cm ² (0.155 in ²)	Opening Size per cm ² (in ²)	Open Area %	Weave Type
	Warp mm (in)	Fill mm (in)					
30L6	1.143 (0.045)	1.295 (0.051)	19 x 19	4	0.1635 (0.0253)	59.0	Leno
31L4	1.016 (0.040)	1.067 (0.042)	23.4 x 25.5	6	0.0930 (0.0144)	55.5	Leno
32L	0.864 (0.034)	0.965 (0.038)	28.2 x 26.8	8	0.0742 (0.0115)	56.1	Leno
33L6	1.295 (0.051)	1.194 (0.047)	32 x 26.8	9	0.0464 (0.0071)	39.8	Leno
34L	0.864 (0.034)	0.940 (0.037)	34.3 x 29	10	0.0512 (0.0079)	50.9	Leno
34P4	0.787 (0.031)	1.016 (0.040)	37.3 x 31	12	0.0418 (0.0065)	48.4	Plain
36F	0.686 (0.027)	1.118 (0.044)	40.9 x 34	14	0.0321 (0.0049)	44.6	Plain
36L	0.914 (0.036)	0.864 (0.034)	38.4 x 36	14	0.0322 (0.0049)	44.5	Leno
36P	0.686 (0.027)	0.838 (0.033)	40.9 x 37.8	15	0.0315 (0.0048)	48.7	Plain
36P4	0.787 (0.031)	1.067 (0.042)	37.3 x 41	15	0.0260 (0.0040)	39.7	Plain
40F	0.686 (0.027)	1.118 (0.044)	40.9 x 37.8	15	0.0269 (0.0041)	41.6	Plain
40L	0.940 (0.037)	0.864 (0.034)	43.8 x 36	16	0.0255 (0.0040)	40.3	Leno
40P	0.686 (0.027)	0.838 (0.033)	44.9 x 44.4	20	0.0218 (0.0033)	43.5	Plain
40P4	0.813 (0.032)	0.991 (0.039)	36.8 x 34.1	13	0.0368 (0.0057)	46.3	Plain
42F	0.762 (0.030)	1.118 (0.044)	44.9 x 38	17	0.0222 (0.0034)	37.8	Plain
42P	0.737 (0.029)	0.864 (0.034)	44.9 x 46.5	21	0.0191 (0.0030)	40.1	Plain
43FK	0.762 (0.030)	1.118 (0.044)	54 x 42	23	0.0138 (0.0021)	31.2	Plain
43P	0.737 (0.029)	0.864 (0.034)	54 x 50.6	27	0.0124 (0.0019)	33.9	Plain
43P4	0.889 (0.035)	1.168 (0.046)	54 x 47	25	0.0092 (0.0014)	23.4	Plain
55F	0.533 (0.021)	0.787 (0.031)	65.8 x 56.9	37	0.0095 (0.0015)	35.9	Plain
55P	0.533 (0.021)	0.686 (0.027)	66.4 x 64.9	43	0.0083 (0.0013)	35.9	Plain
59F	0.559 (0.022)	0.838 (0.033)	73.6 x 62.6	46	0.0061 (0.0009)	28.5	Plain
59P	0.610 (0.024)	0.737 (0.030)	74.3 x 72.6	54	0.0048 (0.0007)	26.0	Plain
65F	0.660 (0.026)	0.864 (0.034)	82.1 x 65	53	0.0038 (0.0006)	20.1	Plain
65P	0.660 (0.026)	0.762 (0.030)	81.3 x 77.9	63	0.0030 (0.0005)	18.8	Plain

