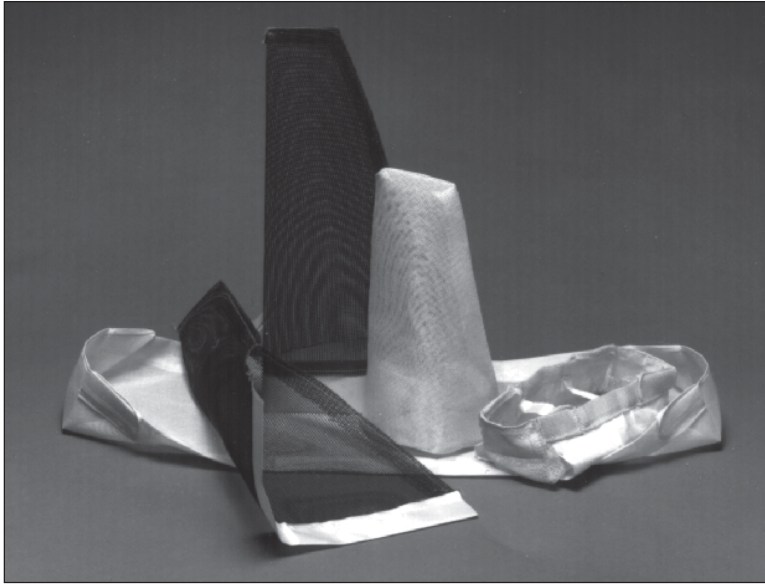


# FIBERGLASS FILTRATION PRODUCTS

## PRE-SEWN SHAPES FOR FILTRATION AND DIFFUSION



Pyrotek filtration fabrics are specially designed and woven for the diffusion and filtration of aluminium. High twist yarns are used to control strand diameters and resist flattening or distortion under pressure from contact with molten metal. The integrity of the weave pattern is maintained by the use of an organic resin or ceramic coating, and by the use of leno construction in density not available elsewhere. The production facility is ISO 9002 approved and tests are run on each batch for loss on ignition, rigidity, and hole size.

### ADVANTAGES:

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

### APPLICATIONS:

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

### AVAILABILITY:

- Standard three strand fabric construction has been used satisfactorily worldwide for regular alloys in standard temperature range.
- For long cast, aggressive alloys, slightly higher temperature range, or when more strength is required, we offer four and six strand construction in the most common styles.
- For extremely demanding applications, Pyrotek can use higher temperature H-20 glass yarn offering about 95°C (200°F) more resistance to temperature and 40% more strength at elevated temperature.
- These woven fabrics, offered in a variety of weaves and coatings, are available as custom made pre-sewn shapes, with or without gaskets or wires, or in roll form. Modifications can be made at the weaving stage to meet specific requirements.

Pyrotek's worldwide locations provide fast reliable service. Please contact us for additional information.

**Pyrotek**

**FIBERGLASS FILTRATION PRODUCTS SPECIFICATIONS:**

Style Number	Strand Diameter		Strand Count per cm <sup>2</sup>	Holes per cm <sup>2</sup>	Opening size (mm <sup>2</sup> )	% Open Area	Weave Type
	Warp mm	Fill mm					
30L6	1.14	1.30	19 x 19	4	16.348	59.0	Leno
31L4	1.02	1.07	23 x 26	6	9.299	55.5	Leno
32L	0.86	0.97	28 x 27	8	7.420	56.1	Leno
33L6	1.30	1.19	32 x 27	9	4.639	39.8	Leno
34L	0.87	0.94	34 x 29	10	5.122	50.9	Leno
34P4	0.79	1.02	37 x 31	12	4.184	48.4	Plain
36F	0.69	1.12	41 x 34	14	3.208	44.6	Plain
36L	0.91	0.87	38 x 36	14	3.222	44.5	Leno
36P	0.69	0.85	41 x 38	15	3.148	48.7	Plain
36P4	0.79	1.07	37 x 41	15	2.598	39.7	Plain
40F	0.69	1.12	41 x 38	15	2.688	41.6	Plain
40L	0.94	0.88	44 x 36	16	2.554	40.3	Leno
40P	0.69	0.84	45 x 44	20	2.180	43.5	Plain
40P4	0.82	0.99	37 x 34	13	3.689	46.3	Plain
42P	0.74	0.86	45 x 47	21	1.918	40.1	Plain
42F	0.76	0.12	41 x 39.5	17	2.219	37.8	Plain
43FK	0.76	1.12	54 x 42	23	1.377	31.2	Plain
43P	0.74	0.86	54 x 51	27	1.241	33.9	Plain
43P4	0.89	1.17	54 x 47	25	0.924	23.4	Plain
55F	0.53	0.79	66 x 57	37	0.958	35.9	Plain
55P	0.54	0.68	66 x 65	43	0.832	35.9	Plain
59F	0.55	0.83	74 x 63	46	0.619	28.5	Plain
59P	0.60	0.73	74 x 73	54	0.482	26.0	Plain
65F	0.66	0.86	82 x 65	53	0.376	20.1	Plain
65P	0.66	0.76	81 x 78	63	0.297	18.8	Plain

Advanced Metals Processing Technology



Note: the physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Additional information regarding the above specifications is available upon request.