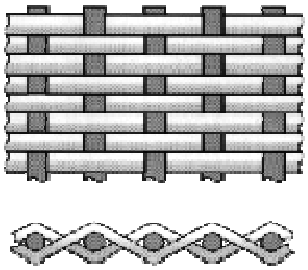
METAL FILTERING CLOTHS

APPLICATIONS

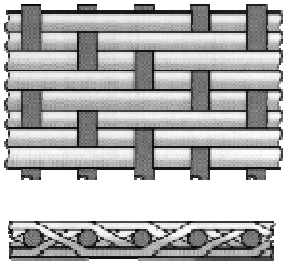
The main purpose of the metal filtering cloths is filtering liquids and recyclation of plastics (Chemical and Rubber industry), production of filters (Automotive and Aircraft industry).

CONSTRUCTION

The metal filtering cloths are produced by weaving method „wire on wire“. The warp wires have a greater diameter than the weft wires. Basic parameter of filter cloths are permeability or number of meshes on 1 English inch (25,4 mm).



Plain weave - L 1/1



Twill weave - K 2/2

Table 1

METAL FILTERING CLOTHS DETERMINED BY NUMBER OF WIRE ON 1 ENGL.INCH

Number of wires on 1 Engl.inch	*Wire diameter (mm)*		*Informative weight (kg/m^2)*	*Weave*	*Material*	
	Warp	*Weft*	*Steel*		*Steel*	*Stainless steel*
50x250	0,140	0,112	0,997	L1/1		x
40x200	0,180	0,140	1,263	L1/1	x	x
30x150	0,230	0,180	1,630	L1/1	x	x
25x130	0,280	0,220	2,002	L1/1	x	x
25,5x120	0,300	0,240	2,227	L1/1	x	x
24x110	0,350	0,250	2,500	L1/1	x	x
14x88	0,500	0,330	3,174	L1/1	x	x
12x64	0,600	0,400	3,809	L1/1	x	x

Table 2

METAL FILTERING CLOTHS DETERMINED BY PERMEABILITY

Permeability (µm)	*Wire diameter (mm)*		*Informative weight (kg/m^2)*		*Weave*	*Material*		
	Warp	*Weft*	*Steel*	*Bronze*		*Steel*	*Stainless steel*	*Bronze*
12,5	0,036	0,032	0,496	0,556	K2/2		x	x
16	0,045	0,032	0,304	0,341	L1/1, K2/2		x	x
20	0,056	0,040	0,385	0,432	L1/1, K2/2		x	x
25	0,071	0,050	0,482	0,540	L1/1, K2/2		x	x
31,5	0,090	0,063	0,621	0,696	L1/1, K2/2		x	x
40	0,112	0,080	0,774	0,868	L1/1, K2/2		x	x
50	0,140	0,100	0,951	1,065	L1/1, K2/2		x	x
63	0,180	0,125	1,186	1,330	L1/1, K2/2	x	x	x
80	0,224	0,160	1,538	1,725	L1/1, K2/2	x	x	x
100	0,280	0,200	1,914	2,145	L1/1, K2/2	x	x	x
125	0,355	0,250	2,418	2,711	L1/1, K2/2	x	x	x
160	0,450	0,315	3,075	3,446	L1/1, K2/2	x	x	x
200	0,560	0,400	3,965	4,445	L1/1, K2/2	x	x	x
250	0,710	0,500	4,788	5,368	L1/1, K2/2	x	x	x

THE WIDTH AND LENGTH OF THE ROLL

The usual cloth roll width is 1000 mm. The other dimension are available upon request, but up to 2000 mm as maximum. The length of roll is 25 m or 30,5 m.

THE METHOD OF ORDERING

The order, beside other appurtenance, has to contain the following parameters, defining the product in details:

- the cloth name
- material
- permeability or the number of wires on 1 Engl.inch (mesh)
- warp and weft wire diameter
- quantity, length and width of roll
- other requirements and the type of weaving