

Metal filter cloth; Duplex - Technical Details

Absolute Filter Fineness μm	Nominal Filter Fineness μm	Cloth Designation	Elastic Limit warp/fill Rp N/cm	Number of Pores N Pores/cm ²	AsK mm ² /cm	AsS mm ² /cm	Porosity %	A _{0rel} %	Weight kg / m ²	Cloth Thickness mm
14 - 15	8	Duplex 15	60 / 130	39.200	0,12	0,27	60	11	0,30	0,10
17 - 19	10	Duplex 20	100 / 180	22.300	0,21	0,38	57	9	0,47	0,14
27 - 30	20	Duplex 30	100 / 230	11.400	0,20	0,47	60	11	0,56	0,18
35 - 40	30	Duplex 35	240 / 400	3.700	0,52	0,94	57	7	1,21	0,35
43 - 48	35	Duplex 45	180 / 350	3.700	0,39	0,94	57	10	1,10	0,34
60 - 65	50	Duplex 60	540 / 580	1.260	1,16	1,67	52	6	2,34	0,65
75 - 80	65	Duplex 75	570 / 660	870	1,16	1,92	54	7	2,59	0,74

A_{0rel}: theoretical, free flow area, through which the filtrate can flow relative to the area that is subject to the flow.

As, AsK, AsS: designate the effective cross-section at the cutting edges which run perpendicular to the wires to absorb drag. AsK stands for the warp direction, AsS stands for the fill direction.

Rp: maximum allowable stress on the cloth in the warp or fill direction without lasting significant deformation.

The values are typical values for the filter cloths. They must not be used to infer any warranted qualities. Subject to technical changes.