



Datasheet

Stock No: **122-1771**

ENGLISH

Polyester Filter Media Roll, 1m x 20m

PROPERTIES	UNIT	Own method based on :	R&D INFORMATION NO SPECIFICATION																											
Composition			100 % polyester fibers																											
Bonding			Thermally bonded by means of bicomponent fibres and calibrated to a certain thickness																											
Flammability		DIN 53438	K1 / F1																											
ökotex 100 CLASS I			CONFORM																											
Initial pressure drop		EN 779	<table border="1"> <caption>Initial Pressure Drop Data</caption> <thead> <tr> <th>Air flow (m³/h)</th> <th>Pressure drop (Pa)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>500</td><td>10</td></tr> <tr><td>1000</td><td>15</td></tr> <tr><td>1500</td><td>25</td></tr> <tr><td>2000</td><td>35</td></tr> <tr><td>2500</td><td>45</td></tr> <tr><td>3000</td><td>60</td></tr> </tbody> </table>	Air flow (m³/h)	Pressure drop (Pa)	0	0	500	10	1000	15	1500	25	2000	35	2500	45	3000	60											
Air flow (m³/h)	Pressure drop (Pa)																													
0	0																													
500	10																													
1000	15																													
1500	25																													
2000	35																													
2500	45																													
3000	60																													
Arrestance vs. pressure drop		EN 779	<table border="1"> <caption>Arrestance vs. Pressure Drop Data</caption> <thead> <tr> <th>Dusted (g)</th> <th>Arrestance (%)</th> <th>Pressure drop (Pa)</th> </tr> </thead> <tbody> <tr><td>0</td><td>80</td><td>0</td></tr> <tr><td>25</td><td>85</td><td>50</td></tr> <tr><td>50</td><td>88</td><td>70</td></tr> <tr><td>75</td><td>90</td><td>90</td></tr> <tr><td>100</td><td>90</td><td>120</td></tr> <tr><td>125</td><td>88</td><td>150</td></tr> <tr><td>150</td><td>85</td><td>200</td></tr> <tr><td>175</td><td>80</td><td>250</td></tr> </tbody> </table>	Dusted (g)	Arrestance (%)	Pressure drop (Pa)	0	80	0	25	85	50	50	88	70	75	90	90	100	90	120	125	88	150	150	85	200	175	80	250
Dusted (g)	Arrestance (%)	Pressure drop (Pa)																												
0	80	0																												
25	85	50																												
50	88	70																												
75	90	90																												
100	90	120																												
125	88	150																												
150	85	200																												
175	80	250																												
Initial pressure drop	Pa		35 Pa																											
Recommended final pressure drop	Pa		250 Pa																											
Media velocity	m/s		1.5 m/s																											
Initial arrestance	%		77.70%																											
Average arrestance	%		87.50%																											
Dust holding capacity	g/m²		400 g/m²																											
Filter Class acc. To EN779:2012			G3																											
Thermal stability			100°C (briefly up to 120°C)																											
ROLL DIMENSIONS																														
Thickness	mm	ISO 9073-2	14mm																											
Standard Dimension	m		1m x 20m																											
APPLICATION	general prefilter for HVAC and kitchenhoods																													