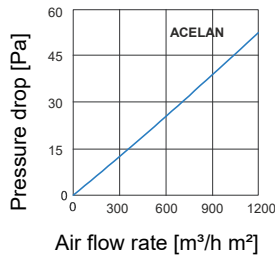


**Pressure drop curve:**



**Filter mats Acelan**

consist of thermally bonded polyester fibres, the elastic medium is not provided with a wetting agent, is progressive, and is constructed with compression on the pure-air side.

**Application:**

Filtration of fine dust in climate control and air handling systems.

**Special features:**

with progressive structure, without wetting agent, meets standards for the NEW filter class as of ISO 16890:2016 **ISO ePM<sub>10</sub> 50 %** (OLD: M5)

**Areas of application:**

filtration of supply air of sensitive switchgear, water treatment facilities, pre-filter for paint spray compartments and painting installations, standard climate control and air handling units.



**Filter class as of EN 779:2012**  
M5

**For the NEW Filter class as of ISO 16890:2016**  
refer to table

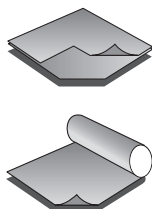
**Medium**  
polyester fibres

**Temperature resistance**  
< 80 °C

**Technical data**

Acelan		Acelan
Filter class <i>OLD</i>	[EN 779:2012]	M5
Filter class <i>NEW</i>	[ISO 16890:2016]	ISO ePM <sub>10</sub> 50 %
Installation depth/thickness	[mm]	30
Nominal air volume flow	[m³/h m²]	900
Maximum volume flow	[m³/h m²]	1.200
Initial pressure drop	[Pa]	35
Maximum allowed pressure drop	[Pa]	450
Mean degree of arrestance	[%]	97
Mean filtration efficiency	[%]	51
Dust holding capacity:	[g/m²]	211
Fire behaviour	[DIN 53438]	F1/K1
Max. operating temperature	[°C]	80
Max. relative air humidity	[%]	100

**Form of delivery/  
Order number**



Acelan	Size	ORD.No.
<b>Special-dimension elements</b>		
Acelan	0 to 40 m², maximum width 2 m	<b>X-Acelan</b>
<b>Rolls</b>		
Acelan	2 x 20 m, packaging unit 1	<b>26 02 850</b>