



Ahlstrom-Munksjö Extia® High Efficiency Range

Specifically designed for applications with fine particles and critical dusts

Created by Ahlstrom-Munksjö specifically for the industrial filtration market, Extia® is a 100% synthetic, highly durable, pulse cleanable filter media, designed to last longer in most operating conditions.

Extia® is positioned for dust filtration cartridge applications, helping to protect people and the environment.

Since the launch of Extia® 1000 in November 2018, the portfolio has been expanded to include a complete high efficiency range that delivers **efficiency levels up to EN1822 H14**. The portfolio now includes **nano coated Extia®** for fine particles and **ePTFE membrane laminated Extia®** for critical dusts. All designed to meet the performance, regulatory and safety requirements of specific industrial air pollution control applications.

Benefits

- ✔ **Extends filtration lifetime** - effective dust removal at lower pressure drop and easier converting.
- ✔ **Nano coated Extia® delivers EN1822 E10 at very low pressure drop** - for applications requiring recovery of fine particles.
- ✔ **ePTFE membrane laminated Extia® delivers EN1822 HEPA at very low pressure drop** - for applications requiring recovery of critical and challenging dusts.
- ✔ **Outstanding durability** - provided by Extia®'s inherent strength and strong bonding with nano or ePTFE membrane.
- ✔ **Supply chain efficiency optimized** - complete portfolio directly available from one reputable supplier.

Extia® 1200 and 1201 – Nano coated Extia® for fine particle filtration

Extia® 1200 and 1201 effectively removes fine particulates (reaching EN1822 E10) at very low pressure drop due to electrospun nanofibers, delivering better protection and energy savings. The use of state-of-the-art nanofiber deposition delivers superior bonding between the nano layers and base layer, ultimately delivering outstanding durability and performance. Additionally, extended filtration lifetime and ease of conversion as for any Extia® offering. A recommended choice for applications with specific regulatory constraints and when fine particles have to be removed and recovered such as the pharmaceuticals and cosmetic industries.



Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m ²	EN1822	µm	L/m ² /s @200 Pa	kPa	mg
Extia® 1200	Nano Coated	200	E10	570	184	1471	3300
Extia® 1201	Nano Coated	150	E10	510	160	1177	1400

Extia® 1300 – ePTFE membrane laminated Extia® for critical dust filtration

Extia® 1300 effectively removes critical dust (reaching EN1822 E12) at very low pressure drop due to the lamination of an ePTFE membrane, delivering better protection and energy savings. The superior bonding between the ePTFE membrane and the base layer ultimately delivers outstanding durability and performance, in dry but also in wet environments. Additionally, extended filtration lifetime and ease of conversion as for any Extia® offering. A recommended choice for applications with specific regulatory constraints and where critical, sticky or abrasive dusts need to be removed such as chemicals, minerals and food industry.



Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m ²	EN1822	µm	L/m ² /s @200 Pa	kPa	mg
Extia® 1300	ePTFE Membrane Laminated	200	E12	450	50	1422	3970
Extia® 1301*	ePTFE Membrane Laminated	100*	H14	290*	56	804*	355*

*Extia® 1301 has been designed to meet a very specific market need where a much lower strength was acceptable and might not be suitable for traditional APC applications. Extia®1301 reaches F1 Flame Retardancy according to DIN53438.

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