Ahlstrom Extia®

Advanced synthetic media with high particulate efficiency for Air Pollution Control cartridges in challenging environment

Air pollution control (APC) filter media play a critical role in reducing emissions and ensuring safe operation across various industrial environments.

Ahlstrom **Extia®** is a 100% synthetic, pulse cleanable media enhanced with a nanofiber or ePTFE membrane layer, offering **extended lifetime, high fine particle efficiency,** and **low pressure drop.**

Combining the robustness of spunbonds with the full surface effectiveness of synthetic wetlaid technology, Extia® delivers exceptional performance in demanding applications such as welding fumes, plasma or laser cutting, and powder coating environments.

Benefits

- **Outstanding durability** – strong synthetic base layer with highly bonded nano or membrane layer
- **Isotropic media** – providing 20–30% more usable filtration surface than point bonded spunbond
- **Extended filtration lifetime** – improved dust cake release and optimized air to cloth ratio
- **Highly efficient on smallest particles** – protecting the base media and reducing emission

Ahlstrom Extia®

Ahlstrom Extia® is a unique APC platform combining outstanding mechanical strength with high filtration performance. Its fully synthetic structure provides robust behavior in all humidity conditions, contributing to **extended lifetime**. The isotropic design of Extia® increases usable filtration surface by **20–30% compared to point bonded spunbond**, significantly reducing the air to cloth ratio. This leads to **lower initial pressure drop**, reduced particle penetration into the base media, and improved dust cake release — all contributing to lower total cost of ownership.

Extia® media can be laminated with advanced high efficiency layers to further elevate performance.

- **Extia® 1200** uses a nanofiber layer to reach EN1822 E10 efficiency at very low pressure drop, ideal for welding fumes, plasma cutting or powder coating
- **Extia® 1330** and **Extia 1302-200** use an ePTFE membrane to reach respectively EN1822 E12 and H13 efficiency, offering maximum protection in corrosive atmospheres or applications where valuable, abrasive or sticky dusts must be recovered

These designs ensure **superior surface filtration**, stable pulse jet cleaning, and high durability in the most challenging APC environments.

Ahlstrom Extia® - Key Grade Characteristics

	Basis Weight	Efficiency		Thickness	Burst Strength	Air Permeability	Stiffness MD
Grades	**g/m^2**	**EN60335**	**EN1822**	**µm**	**KPa**	**$L/m^2/s$ @200Pa**	**g**
Extia® 1200	200	M	E10	570	1471	184	3.3
Extia® 1330	200	M	E12	580	1471	96	3.4
Extia® 1302-200	200	M	H13	550	1471	40	3.4

Contact Ahlstrom Sales: ✉ filtration@ahlstrom.com

www.ahlstrom.com

Disclaimer: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability of fitness for use. All users of the material are responsible for ensuring that it is suitable for their needs, environment and end use. All data is subject to change as Ahlstrom deems appropriate.

© Ahlstrom 2026