



# Ahlstrom-Munksjö Extia® Mid Efficiency Range

Including flame retardant, surface conductive and food approved versions

**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 mid efficiency range. Portfolio now includes flame retardant, surface conductive and food approved versions. All designed to meet the performance, regulatory and safety requirements of specific industrial air pollution control applications.

## Benefits

- ✔ **Extended filtration lifetime** - effective dust removal at lower pressure drop and easier converting.
- ✔ **Reduces fire potential** - delivering F1 flame retardancy (DIN 53438), for applications where flying sparks are frequent
- ✔ **Reduces dust explosion potential** - delivering charge conductivity, for applications where explosive dusts are present
- ✔ **Direct food contact compliance** - to prevent risk of contamination when collected powders are recycled in the production process
- ✔ **Ability to customize solutions** - to meet specific customer and market needs

## Extia® 1100 – Flame retardancy for fire prevention

Extia® 1100 effectively removes coarse particulates at a lower pressure drop and extends filtration lifetime through excellent pulse cleaning properties. In addition, it delivers intrinsic F1 flame retardancy according to DIN53438 to prevent from fire risk when flying sparks can reach the dust collector. A recommended choice for applications such as sand blasting and metal machining (welding, grinding, laser and plasma cutting).

### Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m <sup>2</sup>	EN779-2012	µm	L/m <sup>2</sup> /s @200 Pa	kPa	mg
Extia® 1100	Flame Retardant	200	M6	570	265	1471	4000

## Extia® 1400 – Conductivity for explosion prevention

The upstream side of Extia® 1400 is covered with a metalized and conductive surface (below 100 Ohm of electrical resistance) which convey electrostatic charges to prevent the formation of an explosive atmosphere. A recommended choice for applications such as wood industry, food powder storage, powder coating.

### Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m <sup>2</sup>	EN779-2012	µm	L/m <sup>2</sup> /s @200 Pa	kPa	mg
Extia® 1400	Conductive	248	M6	670	188	1765	4450

## Extia® 1500 – Food contact approval for food quality compliance

Extia® 1500 is certified for direct food contact applications (EU Nr.10/2011 and Nr.1934/2004; FDA 21 CFR 175.170) to prevent risk of contamination when collected powder is recycled in the production process. A recommended choice for applications such as food and pharmaceuticals industry.

### Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m <sup>2</sup>	EN779-2012	µm	L/m <sup>2</sup> /s @200 Pa	kPa	mg
Extia® 1500	Food Contact Approved	210	M6	620	231	1589	5510

## Extia® 1001 and Extia® 1002 – Customized versions of original Extia® 1000

These versions of original Extia® 1000 are designed to meet specific customer needs, where lower basis weight (Extia® 1001 ) or greater permeability (Extia® 1002 ) is required.

### Physical properties

Physical properties		Basis Weight	Efficiency Class	Thickness	Air Permeability	Burst Strength	MD Stiffness
Grades	Features	g/m <sup>2</sup>	EN779-2012	µm	L/m <sup>2</sup> /s @200 Pa	kPa	mg
Extia® 1000	Extended filtration lifetime	210	M6	600	222	1785	3300
Extia® 1001	Low Basis Weight	150	M6	520	376	1275	1400
Extia® 1002	Higher Air Permeability	200	M5	620	487	1471	3600

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