



**AIRMELT  
6645**



**AIRMELT  
6641**



**AIRMELT  
6680**

# Hotmelt Air Filter Adhesives

**AIRMELT 6641**, **AIRMELT 6680** and **AIRMELT 6645** are hotmelt adhesives developed for pleat stabilization in air filter assembly. They can specifically be used in HEPA (High Efficiency Particulate Air Filter). Adhesives provides excellent initial set speed, outstanding separation, high heat resistance and high adhesion on paper and various media.

# Pleating - EVA Hotmelts

## Applications in Filtration Systems:

- HVAC Systems
- Industrial Filters
- Home Electronics & Vacuum Cleaners
- Automotive

Product	Type	Form	Color	Set Speed	Softening Point (°C)	Viscosity (mPa.s)	Viscosity Temperature (°C)	Description
AIRMELT 6680	EVA	Granule	Light yellow	Fast	110	8500	150	High flexibility for pleat stabilization, fast set speeds, good heat resistance, has bio-based content, FDA 175.105
AIRMELT 6641	EVA	Granule	Opaque white	Fast	105	7500	150	High flexibility for pleat stabilization on fast machines, cost-effective, good heat resistance, milky-white appearance, FDA 175.105
AIRMELT 6645	EVA	Granule	Opaque white	Very fast	110	7000	160	High flexibility for pleat stabilization on very fast machines, good heat resistance, milky-white appearance, lower adhesive consumption, FDA 175.105

# Technical Specifications :

## Aging Viscosity Profiles

In hotmelt adhesive applications, regular tank and nozzle maintenance is crucial for ensuring smooth operations and long-term efficiency. The frequency of cleaning is directly linked to the adhesive's aging performance. Our air filter adhesives offer outstanding thermal stability, minimizing residue buildup and maintenance needs while maximizing operational efficiency for our customers.

## Machinability

Our air filter adhesives are engineered for several production processes including **Blade Pleating** and **Mini-Pleating**. In high-speed blade pleating, it ensures strong, crack-free bonding without compromising pleat flexibility, even under mechanical stress. In precision-driven mini-pleat production, its superior elasticity and optimized open time provide consistent bead spacing, maximizing filter efficiency and durability.

- Cost-effective
- Fast setting times
- Good temperature resistance
- Superior elasticity
- Excellent machinability
- Long-term performance
  - Solvent-free
  - Sustainable\*

\*Bio-based content

## Key Benefits

