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Thermoplastic Polyamides

Euremelt Copolyamide Hot Melt Adhesives for Filter Bonding

accelerate

EUREMELT Hot Melt Adhesives

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- Thermoplastic polymers:

polymers, labelling-free
100 % solvent-free
environmentally friendly

easy storage and shipment
solid, tack-free at room temperature
granules 25 kg sack or 500 kg PE big bag

are applied in molten state
solidify and form a strong bond rapidly by cooling
adhesive is afterwards tack-free, can be reactivated by heat

Application Temperature

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- There is no general application temperature for a grade!
- depends on the special requirements of the application process and equipment
- Influences:

  Viscosity
  Wetting of the substrates, penetration into substrates
  Open time, setting time

- Limits

  Softening point of the adhesive (minimum temperature)
  Stability of the materials at high temperatures
  For polyamides 240 °C should not be exceeded

EUREMELT Hot Melt Adhesives for the filter industry

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- Mainly air filters (automotive)

two different production processes:

Heat curing of the filter paper (coated with reactive resin)

typically at 180 °C

the adhesive has to withstand the curing temperature

No curing process or low temperature curing process

adhesives with softening point below 180 °C can be used

EUREMELT Hot Melt Adhesives for the filter industry

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- Euremelt 2870 (or Euremelt 2170)

  low softening point: 165 °C (171 °C)
  low melt viscosity: 4,5 Pa s (5,8 Pa s) at 200 °C
  for air filters made without hot curing process

- Euremelt 2210

  high softening point: 201 °C
  medium melt viscosity: 5,5 Pa s at 220 °C
  standard product for air filters with hot curing process
  high heat stability, very high flexibility
  extruder processing preferred !

EUREMELT Hot Melt Adhesives for the filter industry

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- Euremelt 2888

  high softening point: 187 °C
  low melt viscosity: 5 Pa s at 200 °C
  higher heat stability
  better resistance to gasoline, diesel, oil and hydraulic oils

- Euremelt 2194 S

  high softening point 192 °C
  very high melt viscosity 36 Pa s at 220 °C
  very high heat stability
  Very good resistance to gasoline, diesel, bio-diesel, oil
  extruder processing recommended !