HOT MELT ADHESIVE

Co-Polyamide Hot Melt Powder

UA-PA Series · UA-8130 / UA-8250 / UA-8513

Product description

The UA-PA series consists of three co-polyamide hot melt adhesive powders built for high bond strength on textile, foam and leather-look substrates. They are used mainly in garment and technical textile lamination, heat-transfer printing and shoe-fabric bonding.

Bond strength is the same across the series: all three grades share the same co-polyamide chemistry, the same melt flow index and the same bonding pressure and dwell time. They differ in the wash programme each is designed for — 40 °C, 60 °C or 90 °C — and in the bonding temperature needed to reach it. The wash figures are indicative, taken from reference wash tests, and act as a selection guide rather than a guaranteed rating; the limit on a given article depends on substrate, add-on and cycle and is confirmed by testing.

Typical physical properties

Property	UA-8130	UA-8250	UA-8513
Appearance	White powder	White powder	White powder
Chemistry	Co-polyamide	Co-polyamide	Co-polyamide
Melting range	110 – 125 °C	110 – 125 °C	120 – 132 °C
Melt flow index (160 °C, 2.16 kg)	30 g/10min	30 g/10min	30 g/10min
Wash resistance (indicative)	40 °C	60 °C	90 °C
Bonding temperature	125 – 145 °C	125 – 145 °C	135 – 155 °C
Bonding pressure	2.0 – 4.0 bar	2.0 – 4.0 bar	2.0 – 4.0 bar
Dwell time	10 – 20 s	10 – 20 s	10 – 20 s

Wash resistance values are indicative and taken from reference wash tests on standard polyester/cotton panels. They guide grade selection and are not a guaranteed rating; the limit on a specific article depends on substrate, add-on and wash cycle and is confirmed by testing.

Particle size

Every grade is supplied in four screened cuts:

- 0 – 63 µm — ultra-fine paste printing on high-mesh screens
- 0 – 80 µm — standard paste printing and fine mesh work
- 80 – 200 µm — dot coating and most scatter lamination
- 200 – 500 µm — heavier scatter, higher grammage, coarse or high-loft fabrics

Other distributions are screened on request. Tell us your mesh, scatter equipment and dot weight and we will match the cut.

Packaging

20 kg kraft paper bags. Other pack sizes can be arranged against the order quantity.

Processing notes

- Choose the grade by the wash programme the finished garment has to pass, not by the highest number on the sheet. All three grades give the same bond strength; a higher wash resistance only costs bonding temperature.
- Wash resistance figures are indicative, not a guaranteed rating. Where a care label falls outside 40 – 90 ° C, or the cycle is unusual, we test the customer substrate instead of quoting a number.
- Running a 90 ° C grade on a 40 ° C garment only shortens press life and risks heat damage to the face fabric.
- Store in the original sealed packaging, dry and ventilated, below 30 ° C, away from sunlight and ignition sources.

The values above are typical figures from production testing and are not a specification. Tolerances and test methods are confirmed per grade and per order.

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