

Technical Information

REAMMIDE PAS 5059



Type of Product: Polyamide hot melt

Field of application: Adhesive especially suitable for porous substrates such as paper, wood and leather.

Specifications:

Appearance: free from apparent contamination ASTM D 2090

Softening point: 90- 100 °C ASTM E 28

Viscosity at 160 °C: 1000-1500 mPa s ASTM D 3236

Amine number 7 mg KOH/g max ASTM D 2074

Acid number 4 mg KOH/g max ASTM D 1980

Typical properties:

Specific gravity: 0.97 g/cm³ ASTM D 1963

Viscosity profile: 130 °C 4200 mPa.s ASTM D 3236
140 °C 2690 mPa.s (RVT, spindle 27)
160 °C 1100 mPa.s

Mechanical properties: ASTM D 638

Tensile yield: 4,5 N/mm²

Tensile break: 2,5 N/mm

Elongation: 80%

2% modulus: 100 N/mm²

Shore D-hardness 28 ASTM D 2240

Application temperature: 130 - 160 °C

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- Processing:** Apply with application system for hot melt adhesives with a gear pump.
When substrates with high heat conductivity shall be bonded the use of a given application temperature is necessary for good wetting. The substrate surface should be free of dust and cleaned with a suitable solvent so that there is no fat and oil. Don't heat the product over the mentioned application temperature range. Without using don't heat the product for a long time, because the quality can decrease or extremely the product cokes. The standby temperature is approximately 50 °C below the application temperature.
The product may adsorb moisture from the air. This will not be obvious in the solid form, but could cause foaming as the adhesive is melted which may result in poor bonds. Re-close the container tightly as soon as sufficient adhesive has been removed for immediate use.
- Apparatus cleaning:** Remove very strong cooked and not thermoplastic rests of hot melt mechanical. We recommend a solvent free cleaning agent for the hot application apparatus like Macromelt XS 0062 (see separate technical information).
- Safety-precautions:** No health hazards are expected when in solid form. However, once melted it is like any hot liquid, which can produce severe burns. The appropriate safety precautions should be used (see also safety-data-sheet). If the molten adhesive has contacted your skin, cool the affected area immediately with cold water. Do not try to remove the adhesive from the skin. Go to your first aid station for attention.
- Regulations:** On the base of the available data, the product is not a hazardous material according to the European directive 1999/45/EEC.
- Form of supply:** Granulate, multi-wall sacks containing 20 kg net.
Also available in 500 kg big bags
- Storage:** Up to max. +35 °C, 18 months in original closed container. Be sure that used container are closed immediately with insulation against moisture. Maybe the adhesive and application properties can decrease by storing with open containers.

Information provided herein is based upon our practical knowledge and experience. Due to different materials used as well as to varying working conditions, which are beyond our control we strictly, recommend carrying out intensive trials. Any warranty and/or liability shall not be based on above information or personal consultation, except the contents of a consultation is explicitly confirmed by us in writing.