

Technical Information

Product name Macromelt Q 5375-22



Product description:

Relative colourless thermoplastic hotmelt adhesive with cold flexibility and versatile adhesion spectrum.

Important information: Experimental product: The properties could change

Base: Polyolefines

Field of application: General assembly applications, especially for bonding and coating polypropylene or similar polyolefines. Besides it is suitable to bond metals, especially copper and aluminium.

Application system: Application systems for hotmelt adhesives with a gear pump

Material properties:

Colour: white - light beige

Softening point: 141 ± 6 °C
ASTM E 28
(in Glycerine)

Melting viscosity: 160 °C 10000 ± 3000 mPa.s
180 °C 4500 ± 1500 mPa.s
200 °C 2400 ± 800 mPa.s
ASTM D 3236
(RVT, spindle 27)

Temperature creep resistance: 90 ± 5 °C
Henkel-method
MH-11

Low temperature flexibility: ≤ -30 °C
approx.
ASTM D 3111

Water-absorption: ≤ 0,2 %
DIN 53495
(method 3)

T-peel strength (22 °C):
PP/PP 25 N/cm (untreated)
PE-X/PE-X 17 N/cm (untreated)
PCV/PVC 25 N/cm
PET/PET 22 N/cm
Cu/Cu 23 N/cm
Al/Al 19 N/cm

(The T-peel strengths are typical and exemplary values. These values may vary when different substrates are used. Your own tests are unconditional necessary.)

Application temperature: 180 - 200 °C

- Handling suggestions: Before application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. In addition, for chemical products exempt from compulsory labelling, the relevant precautions should always be observed.
- 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 not heat the product over the mentioned application temperature range. If the applicator is not used for longer than one hour, temperature must be reduced to avoid oxidation and degradation of the material. The optimal standby temperature is 80°C, but not longer than 72 hours.
- Apparatus cleaning: Remove very strong coked and not thermoplastic rests of hot melt mechanical. We recommend a solvent free cleaning agent for the hot application apparatus like V 1960 (see separate technical information). Additionally we recommend our new cold cleaner MELT-O-CLEAN® .
- Safety precautions: No health hazards are expected when Macromelt Q 5375-22 is 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: Based on the data available, the products are not hazardous materials and according to EU-regulations, they require no special labelling.
- Disposal: EAK code: 080410, adhesives and sealants without organic solvents or hazardous materials.
- Form of supply: Granules in cardboxes inside with PE-foil containing 15 kg net.
- Storage: Up to max. +35 °C, min. 24 months in original closed container.

The information above, particularly the recommendations for application and use of our products is based on our knowledge and experience. Due to different materials and conditions of application, which are beyond our knowledge and control, we strongly recommend carrying out sufficient tests in order to ensure that our products are suitable for the intended process and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Information supersedes all previous editions.

Henkel KGaA
Heidelberg Site
D-69112 Heidelberg GERMANY
Tel.: +49-6221 704-0 . Fax: +49-6221-705-242
Email: industrial-adhesives@henkel.com . www.industrial-adhesives.com