

Technical Information

Product name Macromelt Q 5375

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prodej technického sortimentu

Product description:

Loctite - Teroson - Henkel

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

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)

Shore A hardness: 45
DIN 53505 (23 °C, 15 s)

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. It is essential to carry out own tests.)

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 are 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.

Do 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.

We recommend following temperatures:

grid melter	180 °C
hose heater	190 °C
nozzle	200 °C

Apparatus cleaning: Remove very strongly coked and not thermoplastic residue of hotmelt. 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 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: Adhesives and sealants without organic solvents or hazardous materials.

Form of supply: Granules in cardboxes lined with PE-foil containing up to 25 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.

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