

TECHNOMELT PA 6773 GREY

April 2017

PRODUCT DESCRIPTION

TECHNOMELT PA 6773 GREY provides the following product characteristics:

Technology	Polyamide
Product Type	Hotmelt
Cure	Physical setting
Condition	Thermoplastic
Components	One-component
Application	Molding
Appearance	Grey

Application Areas:

TECHNOMELT PA 6773 GREY is used for molding applications.

The material shows an elevated thermal conductivity.

TECHNICAL DATA

Technomelt PA 6773 GREY:

Density (20°C), g/cm³	1.4
Softening point, °C	160
ASTM E28 (in glycerine)	
Melting Viscosity at 210 °C, mPas	7,000
ASTM D 3236 (RVT, spindle 27)	
Shore D hardness	39
ISO 868/15s	
Yield Strength, N/mm²	6.0
ISO 527, Specimen no.5	
Cross-head-speed: 50mm/min	
Break Strength, N/mm²	5.0
ISO 527, Specimen no.5	
Cross-head-speed: 50mm/min	
Elongation, %	50
ISO 527, Specimen no.5	
Cross-head-speed: 50mm/min	
Temperature creep resistance, °C	135
Henkel method 11	
Glass Transition, °C	-25
DSC, 2. Run	
Thermal Conductivity, W/(m K)	0.8
ISO 22007-2, 24°C	

Notice:

This is an experimental product, and the relevant technical data may change.

Long term experience regarding application with the mentioned equipment does not exist so far.

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Pretreatment:

The substrate should be clean, dry, free of dust, oil, grease and other contaminants.

Application:

Application System : Hot melt equipment with tank and gear pump

Application temperature:

Tank: max. 200 °C

Hose: max. 200 °C

Nozzle: 200 to 220 °C

Application system: Hot melt extrusion machine

Application Temperature : 200 to 210 °C.

When bonding to a substrate with high thermal conductivity the use of a specific application temperature is required for good wetting.

Do not heat the product above the specified application temperature range.

TECHNOMELT PA 6773 GREY may absorb moisture from the air. This will not be apparent in the solid form, but may cause bubbles on heating and could affect the bond quality.

In addition to that, the adhesive and application properties can irreversibly fall off in quality by storing open containers. It is therefore important, that containers are kept closed and sealed when not in use.

Cleaning:

Carbonised and set (non thermoplastic) material must be removed mechanically. Removal of the thermoplastic material from the hot apparatus can be achieved with solvent free cleaning system, such as TECHNOMELT PA 62 (see separate technical information).

For cleaning of the extruder we recommend to use fresh material.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazards identification

Transport information

Regulatory information

Storage:

When properly stored in a cool, dry location, with the container tightly closed when not in use, this product will have a shelf life of at least 12 months.

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The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Henkel AG & Co. KGaA
40191 Düsseldorf, Germany
Phone: +49-211-797-0

Henkel Corporation USA
Madison Heights, MI 48071
Phone: +1-248-583-9300

Henkel (China) Co. Ltd.
201203 Shanghai, China
+86.21.2891.8000

For more information, please contact us on www.henkel.com