

TECHNOMELT PA 676 BLACK

Known as Macromelt OM 676
January 2013

PRODUCT DESCRIPTION

TECHNOMELT PA 676 BLACK provides the following product characteristics:

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

Application Areas:

TECHNOMELT PA 676 BLACK is used for molding applications.

TECHNICAL DATA

Technomelt PA 676 BLACK:

Density (20°C), g/cm ³	0.98
Softening point, °C	190
ASTM E28 (in glycerine)	
Melting Viscosity at 210 °C, mPas ASTM D 3236 (RVT, spindle 27)	7,500
Shore A hardness ISO 868/15s	89
Yield Strength, N/mm ² ISO 527, Specimen no.5 Cross-head-speed: 50mm/min	4.5
Break Strength, N/mm ² ISO 527, Specimen no.5 Cross-head-speed: 50mm/min	6.5
Elongation, % ISO 527, Specimen no.5 Cross-head-speed: 50mm/min	500
Temperature creep resistance, °C Henkel method 11	165
Low temperature flexibility, °C ASTM D 3111	-55
Glass Transition, °C DSC, 2. Run	-50
Working Temperature, °C Depends on the application, without mechanical stress	-50 to 140
Cold Flexibility:	excellent

Notice:

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

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 Temperature : 210 to 240 °C
Application System : Hotmelt application systems

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 676 BLACK 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. It is important, therefore, 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).

Classification:

Please refer to the corresponding **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 24 months.



ADDITIONAL INFORMATION

Disclaimer

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Reference **N/A**

