

Handy Hot Melt Glue Sticks

HOT MELT ADHESIVE

Date: 13 August 2020

Fact Sheet No.: TDS00716

YOUR SMART ADVANTAGES

- Suitable for use with Bostik Handy Hot Melt Glue Gun
- Ultra strong and fast setting
- Easy to insert

USES

Bostik Handy Hot Melt Glue Sticks consist of a high performance hot melt adhesive based on polyethylene vinyl acetate, and are supplied in the form of sticks. They are highly versatile and economical and will quickly bond most household materials, giving a clean, colourless and odourless bond with good flexibility and peel strength. Each stick is 100mm long and had a diameter of 7mm. This adhesive is particularly suitable for use on flexible materials: it will bond most household materials including polystyrene, wood, leather, fabric, and rubber. It is also ideal for household repairs, floristry, art and craft and DIY.

PRODUCT CHARACTERISTICS

Colour	Translucent white
Form	Soft flexible solid in cylindrical sticks
Specific Gravity	1.0 approx.
Composition	Polyethylene vinyl acetate polymer/resin blend
Softening Point	89 – 90°C
Product Code	30813367 14 x 7mm diameter, 100mm Handy Hot Melt Glue Sticks x 6 blister cards 30812786 Handy Glue Sticks 1 kg box
Storage/Shelf Life	Store for up to 24 months from date of manufacture when stored in original, unopened packaging under

	dry conditions within the temperature range of +5°C to +35°C.
--	---

Odour	Negligible when cold, slight sweet odour when hot.
-------	--

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Glue Gun Operating Temperature	+175°C to +200°C
Service Temperature	-40°C to +65°C
Coverage	0.3 – 0.5 metres As a single line of adhesive per stick. This does not include wastage.
Drying Times	15 to 60 seconds Full strength in 1 to 2 hours at 20°C

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Handy Hot Melt Glue Sticks refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

1. Ensure the materials to be bonded are dry, clean and free from grease and other loose material. Abrade hard smooth surfaces to improve the bond. Surfaces should be warm, between 20°C to 30°C to prevent the adhesive setting too quickly.
2. Use at room temperature in draught-free conditions. Draughts can cool the adhesive enough to affect the bond strength.

3. Load the appropriate Bostik Handy Hot Melt Glue Sticks through the grip ring in the rear of the Bostik Handy Hot Melt Glue Gun.
4. Press the trigger several times until the stick is positioned firmly in the gun. Do not apply excessive force.
5. Plug in the gun. The light at the back of the gun will indicate the gun is operational.
6. Allow the gun to warm up for approximately 5 to 10 minutes.

APPLICATION

7. Gently press the gun trigger until the adhesive flows freely from the nozzle. Apply the adhesive to the substrate that is the most difficult to bond (in general metal, hard and smooth surface are more difficult to bond than rough porous surfaces).
8. The adhesive need not be spread. Press the surfaces together as soon as possible after adhesive application (within 15 seconds for best results), and apply as much pressure as is practical. The open working time is up to 45 seconds depending on the nature of the substrates, application temperature, volume and cross-section of applied adhesive and closing pressure.
9. To ensure a continuous flow of glue, insert further glue sticks into the rear of the gun and wait a few minutes until the stick has heated to the correct temperature.
10. Do not move or adjust the surfaces after contact has been made, as inferior bond strength will result.
11. As a general guide, a properly formed bond will, after joining, achieve:
Handling Strength: Within 1 minute
Full Strength: 1 to 2 hours at 20°C
12. Unplug the gun when not in use and allow to cool before storing.
13. Do not attempt to remove the stick from the back of the gun as this will damage the gun.
14. Use the stand; do not place the gun on its side.

CLEANING

15. The adhesive can only be removed mechanically once cured by scraping carefully with a blade edge.
16. A residual thin film will remain which can then be removed using a solvent cleaner.
17. Sensitive surfaces may be damaged by the hot adhesive or by the solvents used in the cleaning process. Always carry out a test before attempting removal.

PRECAUTIONS IN USE

Do not leave unattended. Switch off after use. Use and store only under dry conditions. Always use Bostik Handy Hot Melt Glue Sticks only in the Bostik Handy Hot Melt Gun. Using the wrong sticks will damage the gun. Do not insert any metal

object into the back of the gun. Handle with care as both the gun nozzle and molten adhesive will cause burns in contact with the skin. Hot melt adhesives may burn. Should skin contact occur, place burn/effected area under clean cold running water for a minimum of 10 minutes or until pain is relieved. Seek medical attention if required. Do not attempt to peel off the cold adhesive. Keep out of reach of young children. As with all electrical equipment, children must be supervised whilst using the gun. Bostik Handy Glue Sticks will not bond polythene or polypropylene.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik Handy Hot Melt Glue Sticks, available at www.bostik.com/uk.



This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

Sales	Tel: 0844 371 1192	Fax: 01785 241818	customer.service@bostik.com
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	technical.service@bostik.com
Safety Data Sheets	Tel: 01785 272625	Fax: 01785 212962	sds.box-eu@bostik.com