

### General description

TECBOND LM41 is a high performance clear adhesive that is formulated for use in both low melt adhesive applicators and bulk application equipment. It is a general purpose adhesive that provides good bonds on a wide range of substrates.

Suitable for use in low melt tools that operate from 110-140 °C. Tecbond LM 41 will give good output and low stringing. It is suitable for bonding most materials used in the hobby, craft, and educational markets. Using low melt adhesives also enables bonding to heat sensitive substrates such as balloons, thin films and expanded polystyrene without risk of thermal damage.

Low temperature adhesive applicators and adhesives are inherently safer and allow fingers to be much closer to small detailed work.

### Technical characteristics

Adhesive type:	Synthetic polymer based hotmelt
Colour:	Crystal clear
Molten tack:	Medium

	7mm	12mm	15mm	43mm	Bulk
Form	7mm x 150mm	12mm x 200mm	15mm x 300mm	43mm x 43mm	Prills
Sticks per kilo (approx.)	170	50	22	19	
Carton quantity	5kg	5kg	5kg	10kg	20kg
Pallet weight	500kg	500kg	500kg	500kg	1000kg
Suggested application temperature	130-160°C	130-160°C	130-160°C	130-160°C	130-160°C
Brookfield viscosity 110 / 130°C (POW-12-VISC) spindle 27	12,000 / 5000cps	12,000 / 5000cps	12,000 / 5000cps	12,000 / 5000cps	12,000 / 5000cps
Ring & ball softening point (ASTM E28)	100°C	100°C	100°C	100°C	100°C
Heat resistance (BS5350 Part H3)	85°C	85°C	85°C	85°C	85°C
Open time	Medium	Medium	Medium	Medium	Medium
Brittle point	10°C	10°C	10°C	10°C	10°C

**Storage** Store in a clean dry place at temperatures between 5°C and 30°C with boxes closed. Do not expose to direct sunlight or localised heat sources such as radiators or hot pipes.

**Removal of adhesive** Assembled components can be separated by heating assembly to a temperature slightly above the heat resistance figure.

EVA & Polypropylene: Residues of EVA and polypropylene based hotmelts can be removed from components with white spirit.

Polyamide: Residues of polyamide based hotmelt can be removed from components with acetone.

**Please note** The information contained on this data sheet is for guidance only. It is the result of careful laboratory evaluations by trained and qualified staff using British Standard or similar test methods. However, no warranty is expressed or implied regarding the accuracy of the data or the suitability of the adhesive for any specific purpose. In every case, we strongly recommend that the user shall make their own test to determine to their own satisfaction the suitability of the adhesive for their particular purpose. Neither the seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential arising out of the use or inability to use the product. Further information is always available to help solve your adhesive problems. Should you require any further information on our adhesives please contact your nearest distributor.

*F.D.A. approved. All the constituent parts of this adhesive have been approved by the American F.D.A. under C.F.R. 21.175.105 (adhesives) (subject to limitations).*