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Jet-melt™

3764 Adhesive

Product Data Sheet

Updated : March 1996
Supersedes : December 1993

Product Description

Jet-melt Adhesive 3764 is a plastics bonding hot melt adhesive with good impact resistance at low temperatures.

Physical Properties

Not for specification purposes

Base	EVA	
Colour	Clear	
Viscosity cP at 190°C [1]	6000	
Temperature Control Setting	4	
FDA Accepted [2]	Yes	
Sizes Available	26 x 73 mm for the Jet-melt Air Powered Applicator. 15 x 203 mm for the Jet-melt Touch Control Quadrack Applicator. 15 x 48 mm for the Jet-melt Touch Control Applicator. 12 x 300 mm for the Jet-melt All Electric Applicator.	
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

1 Brookfield Thermosel Viscometer.
2 FDA Reg. 175.105 (adhesives) CFR Title 21.

Performance Characteristics

Not for specification purposes

Delivery Rate for 26 x 73 mm slug	55 seconds	
Ball and Ring Softening Point [3]	88 °C	
Heat Resistance	60 °C	
Impact Resistance	14 in/lbs at -18°C 58 in/lbs at 22°C	

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Peel Strength at 22°C [4]	23 N/10mm	
Shear Strength at 22°C [5]	2.7 MPa	
Tensile Strength at 22°C	4.5 MPa	
Elongation	625 %	
Bonding Range 3mm bead [6]	40 seconds	

3 ASTM E-28-6-7.
4 On Canvas.
5 On Douglas Fir.
6 3mm semi circular bead, Douglas Fir to Douglas Fir.

Health and Safety Information

Hot adhesive vapours may irritate eyes and respiratory system. Do not touch hot extruded adhesive or applicator tip. Avoid prolonged breathing of vapours.

Avoid eye exposure to heated product vapours. In case of skin contact with hot adhesive, immediately flush with cold water and cover with a clean dressing. Do not attempt to remove adhesive, have burn treated by a doctor.

For further health and safety information, please contact the 3M Toxicology Department in Bracknell on (0344) 858000.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes.
Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications.
This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

3M

Specialty Tapes & Adhesives

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