



Scotch-Weld Hot-meltTM 3792 Adhesive

Product Data Sheet

Updated : April 2008
Supersedes : March 1996

Product Description

Scotch-Weld Adhesive 3792 is a general purpose plastics bonding hot melt adhesive with a long bonding range.

Physical Properties

Not for specification purposes

Base	EVA	
Colour	Clear	
Viscosity cP at 190°C ₁	5000	
Temperature Control Setting	4	
FDA Accepted ₂	Yes	
Sizes Available	26 x 73 mm for the Scotch-Weld Air Powered Applicator. 15 x 203 mm for the Scotch-Weld Touch Control Quadrack Applicator. 15 x 48 mm for the Scotch-Weld Touch Control Applicator. 12 x 300 mm for the Scotch-Weld 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 25 x 73 mm slug	45 seconds	
Ball and Ring Softening Point ₃	81°C	
Heat Resistance	60 °C	
Impact Resistance	13 in/lbs at -18°C 42 in/lbs at 22°C	

Date : April 2008
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**Performance
Characteristics Cont'd**
Not for specification purposes

Peel Strength at 22°C 4	23 N/10mm	
Shear Strength at 22°C 5	1.7 MPa	
Tensile Strength at 22°C	2.7 MPa	
Elongation	750 %	
Bonding Range 3mm bead 6	50 seconds	
<p>3 ASTM E-28-6-7. 4 On Canvas. 5 On Douglas Fir. 6 3mm semi circular bead, Douglas Fir to Douglas Fir.</p>		

**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.



Industrial Adhesives & Tapes Division

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3M United Kingdom PLC
3M House,
28 Great Jackson Street,
Manchester,
M15 4PA

Product Information :
Tel 0870 60 800 50
Fax 0870 60 700 99

3M Ireland
3M House, Adelphi Centre,
Upper Georges Street,
Dun Laoghaire, Co. Dublin,
Ireland

Customer Service :
Tel (01) 280 3555
Fax (01) 280 3509