

Technical Datasheet AT09

Product Description

Bondchem AT09 is a wicking adhesive and sealant, with an ultra fast cure system. The low viscosity and capillary action of the AT09 allows it to seek voids between assembled metal components, and then cure anaerobically.

Typical Applications

Bondchem AT09 is designed for post assembly use on all types of metal fastener, eliminating the need to disassemble prior to application. AT09 can also be used as a weld or porosity sealant, which seeks out casting irregularities (hairline cracks). A unique capillary action allows the sealant to penetrate the smallest pores or cracks to provide a positive seal. The product is fluorescent under UV lamps for inspection purposes.

Instructions For Use

- 1. For best results clean all exposed surfaces with a cleaning 3. Allow the product to wick into engaged components and solvent and allow to dry.
- 2. Apply several drops of the adhesive into the fixing/engagement position of the fastener, or onto the internal threads of a blind hole.
- 4. Remove excess adhesive with cleaning solvent.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Green
Viscosity @ 25°C	
Brookfield Sp 1 @ 50rpm	20-55 cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Speed	<60 mins @ 20°C
Full Cure Time	24 hours @ 20°C
Temperature Range	-53C to 148C
Typical Breakaway Strength	10 Nm
Typical Prevailing Strength	29 Nm
Gap Fill	0.1mm

Packaging

Bondchem AT09 is available in 10ml, 50ml, 250ml LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

Bondchem AT09 should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

Health and Safety in Use

Irritant: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS

The data, information and values contained in this Technical Data Sheet has been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the users sole responsibility to determine the suitability of the product for the application. Bondchem Ltd cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warrantees or implied usage obligations should not be attributed to, and are not the responsibility of, Bondchem Ltd. Bondchem Ltd are not reliable for any financial loss or other damages incurred by the user as a result of the use of this product.