

Technical Data Sheet

# ADTECH® 836

## METHYL METHACRYLATE



**ADTECH® 836 TYPICALLY BONDS LOW SURFACE ENERGY MATERIALS SUCH AS POLYPROPYLENE (PP) POLYETHYLENE (PE).**

**ADTECH® 836 IS VERY VERSATILE, AND CAN BOND A WIDE VARIETY OF SUBSTRATES WITHOUT THE NEED FOR SURFACE PRIMERS OR CONDITIONERS.**

Adtech® 836 is typically used in lightweight automotive components, polypropylene battery cases, hand held electronic devices, model aircraft, furniture manufacturing and underwater sensors.

### BENEFITS

- Adhesion to a wide variety of substrates
- Full cure at room temperature
- Bonds polyolefins
- No primer required
- Good impact strength
- Good chemical resistance

### AVAILABLE COLOURS

Cream/Clear

### TECHNICAL DATA

Chemical base:	Methyl Methacrylate
Appearance:	Thixotropic gel
Brookfield viscosity SP6 @ 20rpm	5,000-15,000 cps
Cure system:	Exothermic. Peak at 25°C
Open time:	4-7 min @ 20°C
Handling strength:	60 min @ 20°C
ASTM D1002 Lapshear:	Up to 30 Nmm <sup>2</sup>
ASTM D638 Tensile strength:	Up to 30 Nmm <sup>2</sup>
Gap fill	5mm
Temperature range for cured material	-55°C to 120°C

### AVAILABLE SIZES

Tube	50ml
Tube	400ml

## PREPARATION AND APPLICATION

Ensure parts are clean, dry and free from oil and grease.

Remove cap, and attach mixer nozzle. Dispense sufficient adhesive to ensure equal mix. Apply adhesive to one surface and assemble components carefully, clamping if required. It is always easier to remove any excess adhesive prior to cure using a suitable cleaner. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

## HANDLING AND STORAGE

Consult Safety Data Sheet prior to use.

Always test Adtech® 836 to determine suitability for your particular application prior to use in production

SDS must be read and understood before use.

Adtech® 836 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 6 month shelf life from manufacture.

DISCLAIMER: Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers/end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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