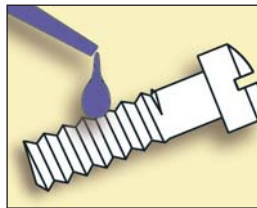


Product data

106

Low strength threadlocker

Anaerobic



General description

A controlled, low strength anaerobic threadlocker formulated for jobs where easy disassembly is required. As with all **AJETT** threadlockers, **106** stops vibration loosening bolts, acts as a seal against leakage and corrosion and resists most chemicals and solvents. It can be undone with hand tools.

Benefits

- Low strength formulation makes undoing threaded assemblies easy.
- Improves joint reliability.
- Stops vibration from loosening nuts and bolts.
- Forms a plastic seal that prevents threads rusting or seizing up and galvanic corrosion.
- Seals against leakage and corrosion.
- Economical to use – only a few drops required for an effective seal.
- Wide temperature range in service.
- Purple colour for easy identification.
- Classified under US Military specification MIL-S-46163A, Type II, grade M.
- Cured product does not migrate.
- Easy to apply.
- Does not need activator or primer for plated parts (if application above 5°C).
- Cures through large gaps and on plastics in thin gaps due to anaerobic effect.

Typical uses – locking and sealing

- Small or long threaded precision screws.
- Fine threaded screws.
- Adjustable screws to maintain position.
- Hydraulic systems.
- Machinery keys.
- Any straight sided or machine screw that needs to be removed repeatedly.

Replaces

- Mechanical lock washers.
- Double locking nuts.
- 'O' rings.
- Nylock and similar expensive nuts.

Application

- By hand or automated.
- Single component – no mixing or primers.
- Self cures within the joint.
- Free spinning assembly of nuts and bolts.

Cost saving

- Low inventory – one grade locks a wide variety of nuts and bolts.
- Replaces expensive specialised fasteners.
- Speedy – non-critical applications can be done up finger tight.
- Only a small amount required to make an effective seal – any excess can be left.
- Joint is easy to undo, no matter how many years it has been assembled.

'Anaerobic' – the locking and sealing process begins only when parts are assembled.

Typical properties

Composition	Dimethacrylate ester
Physical appearance	Liquid
Colour	Opaque purple
Odour	Light
Viscosity at 25°C	1,200 mPas
Flash point, closed cup	Above 100°C
Temperature range	-50 to +150°C
Handling strength	30 minutes at room temperature
Full cure	24 hours at room temperature
Breakaway torque – typical	6 N.m on M10 steel fasteners
Breakaway torque – range	3 to 9 N.m on M10 steel fasteners
Prevail torque	4 N.m on M10 steel fasteners
Recommended thread sizes	2.2 to 12 mm
Relevant US Military specification	MIL-S-46163A, Type II, grade M

Packaging

50 ml plastic bottles
Catalogue number **106/50**. Other sizes available to order.

Shelf life

12 months minimum in normal storage conditions (dry, room temperature) and in closed original packaging.

Precautions for use

Please refer to the **AJETT** material safety data sheet *MSDS 106*.

Application method

AJETT 106 works best on clean parts – light oils can be tolerated. Apply to one surface, assemble and tighten.

Solvent resistance

AJETT 106 maintains a minimum of 80% strength after 1,000 hours in common automotive fluids when immersed and tested at room temperature.

The product is not for use with pure oxygen systems or systems containing strong oxidising materials.

Replacement

AJett 106 can be used instead of the following anaerobic products:

Chemence 2005
Loctite 222
Omnifit 30M
Permabond A011

NOTE: Data provided shows mean averages arrived after laboratory testing. Manufactured batches may vary slightly.

This publication is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the product is suitable for its intended use.

The information is given in good faith and based on the state of our knowledge about the product – but cannot be used as a sales specification.

The attention of users should be brought to eventual hazards arising from the use of the product if they differ from what it was originally formulated for.

The customer will agree and accept our general sales and supply condition, in particular the cause of limitation and relief of responsibility.

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