ajulock

10/2020

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Ajulock is a single component anaerobic product suitable for threaded metal parts such nut, bolt and protecting against loosening from shock and vibrations. Product cures spontaneously and rapidly when confined in absence of air between close fitting metal surfaces. Highly resistant to corrosion, water, oils, hydrocarbons, gas and many chemicals agents. For industrial and private plants.

PROPERTIES OF UNCURED MATERIAL

***Nature**: Methacrylic Anaerobic Resin*
***Application:** Threadlocker*
***Strength:** Medium*
***Color:** Grey*
***Viscosity: 25°C (Brookfield 20 rpm):** 2.000-4.000 mPa.s Tixotropic*
***Specific gravity (g/ml):** 1,06*
***Flash point:** >100°C*
***Shelf life:** 16 months at temperature +5° C to +28° C.*
***Product storage:** Cool and dry place*

FEAUTURES OF CURED PRODUCT

***Handling cure time:** initial curing time M10 x 20 - h 0,8 mm)*
***Brass:** 3-5 minutes*
***Zinc:** 10-15 minutes*
***Steel:** 10-20 minutes*
***Breakaway torque ISO-10964:** 18-25 N.m*
***Prevailing torque ISO-10964:** 8-15 N.m*
***Functional cure time:** 3-6 hours*
***Full cure time:** 12-24 hours*
***Temperature range:** -50°C +180°C*
***Max gap fill:** 0,25 mm*

Technical data referring to test in according to ISO 10964 on M10 x 20 qly 8.8 zinc nut and bolt (bolt 0,8 h) - at 25°C. Break torque after 24 hours.

POLIMERIZATION INFORMATIONS

Curing time depend on main factors: kind of metals and gap fill dimension. The graph below shows the strength developed with time on some kind of metal. The different materials have been tested according to ISO 10964. The right temperature range of cure is from +20°C to +25°C. Low temperature from +5°C to +20°C increase curing time, higher temperature reduce polymerization time.

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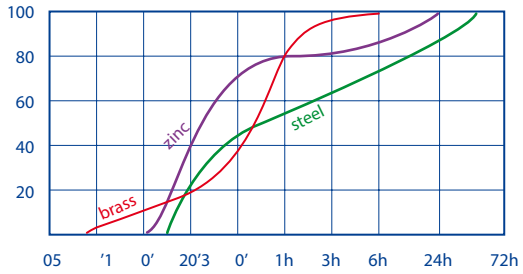
CHEMICAL RESISTANCE

	T°C	100 h	500 h	1000 h
Water / Glycol	85	115	120	120
Brake Fluid	22	110	115	120
Motor Oil	125	100	110	110
Acetone	22	100	100	95
Gasoline	22	105	100	100



Test method ISO 10964 (tested at 22°C)
Breakaway torque % after immersion (pre torque 5 N.m).

INSTRUCTION FOR USE

This product is not suitable for metal-plastic couplings and oxygen facilities as well as for the sealing of basic products or systems with strong oxidizing acids. Use only on standard metal threads. Surface must be clean and free of grease. Apply product to fill completely the gap (male and female parts), assemble parts and shut completely. A bland or superficial closure may cause leaks over time. Don't after tightening. Before operating the system to wait 24 hours to allow complete curing time of Ajulock sealant. In the case of series, locking the joint with a pipe wrench to avoid breaking the previous film in its formative stages. In case of passive surfaces and/or low temperature a fast cure can be obtained using activator.

GENERAL INFORMATION

The data contained in this document are provided for information purposes but are not specific supply even if they are considered as reliable products in our laboratories. Ajusa ensures consistent quality in relation to their own specifications. We can not take responsibility for results obtained by others where the methods of work are not under our direct control. It is your responsibility to verify the validity of the product characteristics in relation to its production needs and to take all necessary measures for the protection of people and things from the situations that may occur with the implementation of the product. Ajusa disclaims all express and / or tacit responsibility for damages of any kind, consequential or incidental inappropriate use of Ajulock product, including lost profits.