

Technical Datasheet

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Threadlocking AL-270



green
medium viscosity
high strength

Threadlocking

Technical Data

Colour	green
Fluorescent	Yes
For threaded joints up to	M 20 R ¾"
Viscosity at +25°C (+77°F) according to Brookfield	500 nt mPa·s
Max. gap bridging	0,15 mm
Breakaway strength (Thread)	28 - 35 Nm
Prevailing strength	50 - 65 Nm
Shear strength Nmm² (DIN 54452)	15 - 20 N/mm²
Handling strength at room temperature	10 - 20 min.
Final strength (100%) after	3 - 6 h
Temperature resistance	-60 to +150 °C

*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8.d Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

Surface pre-treatment

In general, Threadlocking AL-270 does not require special pretreatment as slightly oily surfaces (e.g. on as received parts) will be tolerated. However, best results will be achieved on cleaned, degreased parts. If required, the parts should be slightly roughened.

Processing

Threadlocking 270 is ready for use and should be applied evenly direct from the bottle/tube with the dispensing tip (avoid direct contact of dispensing tip with metal). For sealing applications, apply Threadlocking 270 in circular motions on the thread. Assemble and tighten parts. Do not pour back into the bottle

any Threadlocking 270 fluid which had contact with metal; even smallest metal particles will cause the content of the bottle to cure. In series construction, the use of manual or automatic applicators is recommended.

Storage

Threadlocking AL 270 can be stored in the unopened original container for at least 24 months at room temperature. Keep away from heat sources and direct sunlight. The air in the bottle/tube keeps Threadlocking AL 270 liquid.

Safety and health

When using products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

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