



TRULOC Technical Data Sheet

Superloc 375

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Product Description

Superloc 375 is a general-purpose oil tolerant medium strength threadlocking and sealing product. Its thixotropic nature prevents run-off after application and migration after assembly, thus making it ideal for threadlocking of as received clean or plated parts. Superloc 375 lubricates threads during assembly ensuring pre-determined standard torque values and provides a controlled torque/tension relationship.

Typical Applications

Superloc 375 is recommended for any metric or conventional size fastener, and is effective on all industrial metals.

Product Benefits

- Prevents leakage through porosity's and cracks.
- Excellent resistance against solvents and gases.
- Locks pre-assembled fasteners against vibration.
- Excellent thixotropic nature, preventing migration.
- Eliminates re-work where leaks are found in inspection.

This product is excellent on all moving parts and delivers a positive seal that is resistant to lubricants and most solvents. Dismantling of joints can be carried out in the normal way using conventional tools.

Performance Properties of Cured Truloc Superloc 375

Strength (steel parts)M36 Locking torque Nm ISO10964

Breakaway	17-22
Prevailing	8-12
Shear strength DIN 54452	9-13 N.mm ²
Handling minutes	10-20
Functional hours	1-3

Physical Properties of uncured Truloc Superloc 375

Monomer	Di-Methacrylate ester
Colour	Blue
Viscosity, Brookfield 25 deg C	Range 2000-7500 cps
Flash Point (CoC)	100°C
Max. gap filling ability	0.25mm
Shelf life at 5 - 25 deg C	1 year min
Temperature Range	-55 to +150°C



Solvent Resistance

Truloc Superloc 375 has excellent solvent resistance for the majority of locking and sealing applications. After 30 days immersion at 85 degrees centigrade in oil, transmission fluid, gasoline and glycol the strength retained was between 80-90% of original strength.

Temperature Performance

Truloc Superloc 375 is recommended for use at operating temperatures ranging from minus 55 degrees centigrade to plus 150 degrees centigrade.

Resistance to Vibration Loosening

Loosening of the assembly by transverse dynamic loads generally causes assembly failure. Truloc Superloc 375 completely fills the void within the joints and thus prevents movement in the assembly, eliminating vibration loosening. The product provides 100% contact between the locking surfaces.

Packaging

Truloc Superloc 375 is available in 10ml, 50ml and 250ml polythene containers.

Storage

Materials should be stored in original containers, which provide air space to maintain the product in a liquid state. Store between 5 and 25 deg C for maximum shelf life.

Caution

These products are generally non-toxic and are not common allergenic materials. They can however cause skin sensitising when used continuously where skin is bruised or micro-lacerated. Contact with skin in such conditions should be avoided. Adhesive can be removed from the skin with soap and water.



IRRITANT

Note

The information given in this Data sheet is the result of controlled laboratory tests and experience. It is intended only as a guide to the user in selecting the appropriate grade of Truloc product. Users must satisfy themselves by appropriate tests that the grades they propose to use are suitable for their specific application. Truloc Ltd is not responsible for loss, claim or damages resulting from the use of their products.