TRULOC Technical Data Sheet

Superloc 395 Dated: 25.07.2009

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Product Description

Superloc 395 is formulated for low strength sealing, threadlocking and easy dismantling of parts. It prevents set screws, lock screws and machine screws from loosening under vibration while providing easy adjustment and dismantling. Its thixotropic property minimises adhesive flow and transfer thus preventing migration into working assemblies. Superloc 395 provides excellent lubrication and controlled torque/tension relationship.

Typical Applications

Superloc 395 for fasteners made from weak metals, which could possibly break during dismantling. It is suitable for all low stress assemblies when dismantling is by screwdriver or allen key.

Product Benefits

Low strength for easy dismantling.
Excellent resistance against solvents and gases.
Locks 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. Its low strength allows dismantling of joints to be carried out in the normal way using conventional tools.

Performance Properties of Cured Truloc Superloc 395

Strength (steel parts)M24	Locking torque Nm ISO10964
Breakaway	4-8
Prevailing	2-4
Shear strength DIN 54452	3-5 N.mm²
Set Time	10-30 mins
Handling	15-30 mins

Physical Properties of uncured Truloc Superloc 395

Monomer	Di-Methacrylate ester
Colour	Purple
Viscosity, Brookfield 25 deg C	1000 cps
Flash Point (CoC)	100 deg C
Max. gap filling ability	0.20mm
Shelf life at 5 - 25 deg C	1 year min
Temperature Range	-55 to +150 Deg Centigrade

Solvent Resistance

Truloc Superloc 395 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 395 is recommended for use at operating temperatures ranging from minus 55 degrees centigrade to plus 150 degrees centigrade.

Resistance to Vibration Loosening

Assembly failure is generally caused by loosening of the assembly by transverse dynamic loads. Truloc Superloc 395 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 395 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 are not responsible for loss, claim or damages resulting from the use of their products.

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