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TECHNICAL DATA SHEET ergo.[®] 4501

Thread Locker, low strength

Description

Special product with low strength properties. Locks bolts against loss of tension, caused by vibration or unwitting movement. May be disassembled with normal tools

Physical Properties (liquid product)

Chemical Base	Diester of Methacrylic Acid
Colour	red / fluorescent
Viscosity Cone/plate-system @ 25°C Cone C-50, shear rate 100s ⁻¹	80 – 120 mPas
Max. thread diameter:	M 36
Max. gap filling	0.25 mm
Flash point	> 100°C
Shelf life	1 year at room temperature

Physical Properties (cured product)

Measured on M10 x 20 bolt - grade 8.8 black phosphated - nut 0.8d

Functional strength after	8 - 12 hours	
Final strength after	48 hours	
Loose-break torque (M_A = 0 Nm)	4 – 6 Nm	DIN EN 15865
Loose-break torque (M_A = 5 Nm)	6 – 8 Nm	DIN EN 15865
Shear strength after 24 h @ 23°C	5 – 10 N/mm ²	DIN 54452
after 24 h @ 23°C + 2h @ 80°C (tested @80°C)	5 – 10 N/mm ²	DIN 54452
Thermal range:	- 55°C up to +80°C	

WARRANTY INFORMATION - PLEASE READ CAREFULLY

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