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TECHNICAL DATA SHEET ergo 4050

Thread Locker, medium strength

Description

Ergo 4050 shows medium strength property, which allows to disassemble bonded parts by common tools.

Physical Properties (liquid product)

Chemical Base:	Diester of Methacrylic Acid	
Colour:	blue / fluorescent	
Viscosity:	100 - 250 mPa.s 25°C Brookfield RVT Spindle/ rpm 2/ 20	
Density:	1.12 g/cm ³	25°C
Max. thread diameter:	M 12	
Max. gap filling:	0.15 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 zinc galvanised - nut 0.8d (no on-torque)

Initial strength after:	10 - 20 minutes	
Functional strength after:	1 - 3 hours	
Final strength after:	5 - 10 hours	
Loose-break torque:	~ 15 Nm (M10)	DIN 54454
Prevailing torque:	~ 7 Nm (M10)	
Shear strength:	8 - 12 N/mm ²	DIN 54452
Thermal range:	- 55°C up to +150°C	

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