

Technical Product Data Sheet for Grade 12-71 Threadlocking high strength

Product Description: **VARYBOND®** Grade 12-71 fastener for stud bolts, ball and roller bearings which shall not be disassembled later on.

Physical Properties: **Liquid Product**

Chemical base:	Diester of Methacrylic Acid
Colour:	green / fluorescent
Viscosity mPas (25°C Brookfield RVT spindle rpm 2/20):	400 – 600
Density:	1.11 g/cm³
Max. thread diameter:	M20
Max. gap filling:	0.15 mm
Flash point:	> +100°C
Shelf life:	12 months 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:	> 30 Nm (M10)
Prevailing torque:	> 45 Nm (M₂10)
Shear strength (DIN 54 452):	12 - 15 N/mm²
Thermal range:	- 55°C up to +150°C

The details from this technical product information are based upon our current position of our knowledge, experiences and the legal requirements. They describe the utilization of our products under normal operating conditions, without the guaranteeing of any laid down characteristics. They do not release the user from the necessity of own examination and precautionary measures. Our guarantee warrants for the quality of the product, but does not cover the success and effects caused by its utilization, which are dependant upon a multitude of factors.

Version 9.10.2001
Type 12-71 GB

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Amtsgericht Pforzheim, HRB 1377 M • Geschäftsführer: R. Dodge, H. D. Schlindwein, J. E. Thompson • UST-IdNr.: DE 183744810



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