

## Technical Product Data Sheet for Grade 12-43 Threadlocking medium strength

Product Description: **VARYBOND®** Grade 12-43 medium strength product with excellent resistance against chemicals and temperature. Cures very fast, even on galvanised surfaces and on stainless or high alloyed steel.

Physical Properties: **Liquid Product**

Chemical base:	<b>Diester of Methacrylic Acid</b>
Colour:	<b>blue / fluorescent</b>
Viscosity mPas (DIN 54453) (25°C Brookfield RVT spindle / rpm 6/20:	<b>6500 – 8500</b>
spindle / rpm 6/100):	<b>2800 – 4500</b>
Density @ 25°C:	<b>1.1 g/cm<sup>3</sup></b>
Max. thread diameter:	<b>M36</b>
Max. gap filling:	<b>0.25 mm</b>
Flash point:	<b>&gt; +100°C</b>
Shelf life:	<b>12 months at room temperature</b>

Physical Properties: **Cured Product**

Measured on M10 x 30 bolt - grade 8.8 zinc galvanised - nut 0.8d (no on-torque)

Initial strength after:	<b>2 - 4 minutes</b>
Functional strength after:	<b>½ - 1 hour</b>
Final strength after:	<b>1 - 3 hours</b>
Breakaway torque <sup>2</sup> (ISO 10964):	<b>21 Nm</b>
Shear strength (DIN 54452):	<b>14 - 22 N/mm<sup>2</sup></b>
Thermal range:	<b>- 55°C up to +150°C</b>

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 18.06.2002**

Type 12-43 GB

Commerzbank AG Pforzheim, BLZ 666 400 35, Konto 4 006 532

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



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