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RETAINING COMPOUND, HIGH STRENGTH AND LOW VISCOSITY — VBA 6M03

PRODUCT DESCRIPTION

High-strength, anaerobic, single-component adhesive for gluing metallic bushes and bearings that are subject to high stress and have a very small adhesive gap. The adhesive is solvent-free, heat resistant and resistant to chemicals. After the setting process is completed, it forms a high strength bond in the gap ensuring that the components - even if they are slightly oily - are permanently fixed.

ADVANTAGES

- Permanent bond that can be removed only when subject to high temperatures
- For threads up to M12 and gaps up to 0.15 mm
- Also tolerates slightly oily components
- High resistance to chemicals
- Vibration and impact resistant

Containers	Content	PU Pcs. / PU	No.	EUR
Bottle	**50ml**	**1**	VBA 6M03/ 1/ 50	< >
Bottle	**50ml**	**6**	VBA 6M03/ 6/ 50	< >
Bottle	**50ml**	**12**	VBA 6M03/12/ 50	< >

Material safety data sheets at each product under **www.meusburger.com**

CHARACTERISTICS

VBA 6M03	Value	Test procedure
Colour	green	DIN ISO 2049
Maximum temperature	175 °C	
Strength	high strength	
Basis	dimethacrylate ester	
Density	1.1 g/cm^3	DIN EN 524
Viscosity	200 mPas	Brookfield (25°C)
Maximum thread diameter	M12	
Maximum gap	0.15 mm	
Curing time for fixture	1-7 min	at room temperature, on steel
Curing time for functional strength	1-2 h	at room temperature, on steel
Curing time for full strength	8 h	at room temperature, on steel
Breakaway torque	50 Nm	DIN EN 15865 (without preload)
Residual torque	60 Nm	DIN EN 15865
Compression shear strength	37 N/mm^2	DIN EN 15337

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WHAT ARE 'ACTIVE' AND 'PASSIVE' MATERIALS?

Active materials release a high number of (metal) ions allowing the adhesive to cure faster. These include for example:

- Iron
- Steel
- Copper
- Brass

Passive materials however can release just a few ions, which is why the adhesive will cure very slowly. Passive materials include for example:

- Aluminium
- Chromium steel and chromate conversion coated surfaces
- Anodised surfaces
- Zinc or zinc coated (galvanised) surfaces

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