TECHNICAL DATASHEET

ergo.® 2453

UV/anaerobic curing retaining compound heat resistant

Description

Dual-curing, heat resistant product. Very fast activator free prefixing or throughout curing of excess adhesive by UV-curing (365 nm).
Suitable for fixing permanent magnets in motor housings or pocket magnets in stator- or rotor packages as well as for fixing bearings in ovens.

Physical properties (liquid)

Chemical base:	Diester of methacrylic acid
Color:	yellowish / transparent
Viscosity acc. Brookfield: RVT at 25°C, Spindle 2, 20 rpm	450 – 650 mPas
Density at 25°C:	1.1 g/cm³
Max. thread diameter:	M 20
Max. gap filling:	0.15 mm
Flash point:	>100°C
Shelf life:	1 year at ≤ 25°C

Physical properties (cured)

Measured on M10 x 20 bolt – Grade 8.8 black phosphatized – nut 0.8d (MA = 0 Nm)

Initial strength:	2 – 6 minutes	
Functional strength:	0,5 – 1 hours	
Final strength:	2 – 4 hours	
Break loose torque:	> 25 Nm	(EN 15865)
Prevailing torque:	> 40 Nm	(EN 15865)
Shear strength:	> 27 N/mm²	(ISO 10123)
Dry fully cured surface at 100 mW/cm², at 365 nm	45 Seconds	
Thermal range:	- 55°C up to +175°C	

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