

precote 10

Clamp Coating based on Polyamide

Description

precote 10 is a nonreactive coating based on polyamide which is melted after application on the thread. It offers immediate clamping and sealing of cylindrical threads. The coating is dry, tack-free, with good adherence and can be used in all kind of assembly procedures.

Application

precote 10 is used as a coating for assembly components e.g., screws and nuts in cylindrical pairing, where controlled and high initial installation torque for adjustment is needed. Furthermore precote 10 can be used as securing device against the loosening through vibration or for transportation and a sealing against low pressure. Coated parts can be reused.

Properties

- Clamping immediately after assembly.
- Reusable.
- Constant assembly properties.
- Dry to the touch and melted polyamide coating.
- Very good chemical resistance.
- Can be applied to metallic and temperature resistant non metallic surfaces.
- Non hazardous.

Technical data

Typical Properties	
Chemical Type	Polyamide
Color	grey / green / blue
Thread friction value μ_{Thread}	0,16 – 0,20
Initial installation torque*	5 – 18 Nm
Sealing properties**	
Threads cylindrical/cylindrical	< 15 bar
Maximum operation temperature in air	-60°C to +130°C -75°F to +265°F
Baking temperature	approx. 230°C / 445°F
Good chemical resistance: tested according to all current automotive standards	

*All values based to screws M10 ISO 4017-8.8 plain finish and nuts M10 ISO 4032-10 plain finish.

**At initial tightening.

Shelf life 4 years at max. 30°C and max. 65% relative humidity.

Storage and transport conditions see omniTECHNIK packaging information.

Releases

- DIN DIN 267-28

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Note: As we do not know the specimen, dimensions, materials, combinations, surface conditions etc. of the threads in question, it is absolutely essential to run quality tests prior to general use to make sure about the required performance under field conditions. Our guarantee is confined to supplying precote in proper quality. In view of the fact that processing of precote by the coating partner and the application of precote coated parts are beyond our knowledge and influence we cannot guarantee for the quality of parts coated with precote and assemblies made thereof. We accept liability for the

fitness of our products for particular purposes and liability for particular qualities of our products only in the event that we have accepted such liability in writing in the individual case. In any event any justified warranty claims shall be limited to the delivery of replacement goods which are free from defect or, in the event that such subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular but without limitation any liability for consequential damage, shall be excluded.