

Revised
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TECHNICAL DATA SHEETS

TORQUE 171

Description:

TORQUE 171 is a Anaerobic adhesive for sealing of metal thread pipe joints.

Replaces P.T.F.E. tape and yarn, gives instant sealing against moderate pressure, gives elastic cured film. Low friction coefficient will assure easy assembly. Thixotropic property prevents migration from thread of the sealant before or during curing. Shocks and vibrations resistances are unaffected properties of sealing in the range of temperature from -55 to +150°C. Easy dismantling is assured even after years.

Properties of Uncured Material:

Composition	anaerobic methacrylate
Color	white
Viscosity (25°C - mPa.s)	40,000 thixotropic
Specific weight (25°C - gr/ml)	1.05
Max diameter of thread/gap filling	2" / 0.30 mm
Flash point	about 100°C
Solvent content	none
Shelf life 23°C (T max <28°C)	1 year

Properties of Cured Material:

(Zinc plated bolt M 10 x 20 - quality 8.8 - nut h = 0,8.d)

Handling cure time	20 - 40 minutes
Functional cure time	1 - 3 hours
Full cure time	5 - 10 hours

Note: for potable water use a 24 hours cure time will be necessary.

Shear strength (ASTM D-1002)	4 - 6 N/mm ²
Tensile strength (ASTM D-2095)	3 - 5 N/mm ²
Locking torque: (ISO 10964 not preloaded)	
breakway (ISO 10964)	7 - 10 N.m
prevailing (ISO 10964)	2 - 4 N.m
Elongation of film	over 100%
Temperature range	-55 +150°C

Engineering Excellence

For technical information
and support call **1-800-552-0299** or visit our website at

www.instantca.com