Revised June 2003



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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
Flash point
Solvent content
Shelf life 23°C (T max <28°C)

2" / 0.30 mm
about 100°C
none
1 year

Properties of Cured Material:

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

Functional cure time

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/mm² Tensile strength (ASTM D-2095) 3 - 5 N/mm²

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

