



Three Bond International, Inc.

Technical Data Sheet

TB1303 – ANAEROBIC SEALANT

Information

TB1303 is a quick setting anaerobic at room temperatures. Its performance features include excellent sealing, chemical and oil resistance, and anti-corrosiveness.

Application

General use for anaerobic adhesive designed for bonding and sealing threaded fasteners and fittings or for retaining applications. Since this is an anaerobic, it will not cure while exposed to air. When a tight gap is created between metallic surfaces, an anaerobic adhesive is practically sealed off from contact with the air, and polymerization (curing) occurs very rapidly.

Typical Properties

1. Uncured State

Property	3-TS	Units	Value
Appearance	201-01	-	Green
Viscosity	210-01	mPa·s (cP)	150 (150)
Specific gravity	213-02	-	1.11
Service Temperature		°C	-40 ~120

2. Cured Material Adhesive Properties

Property	3-TS	Units	Value
Recommended Clearance	-	mm	0.005 – 0.1
Curing speed at room temperature	220-02	Hours	2
			24
Curing times for different temperatures	220-02	Minutes	30
			20
			10

2. Cured Material Adhesive Properties (Cont'd.)

Property		3-TS	Units	Value
Retaining Torque M10	Fe	Break Loose	N·m (kgf·cm)	33.0 (340)
		Prevailing		35.0 (360)
	SUS	340-01		18.0 (190)
	Al	340-01		22.0 (230)
	Brass	340-01		15.0 (150)
	Zn-Cr	340-01		15.0 (150)
Shear Strength		Compression		35.0 (360)
		Twist	MPa (kgf/cm ²)	21.0 (220)

These are typical properties and not product specifications.