



# 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	Workable	220-02	Hours	2
	Final			24
Curing times for different temperatures	80 °C	220-02	Minutes	30
	100 °C			20
	120 °C			10

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

Property			3-TS	Units	Value
Retaining Torque M10	Fe	Break Loose	340-01	N·m (kgf·cm)	33.0 (340)
		Prevailing	341-01		35.0 (360)
	SUS	Break Loose	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	301-21	MPa (kgf/cm <sup>2</sup> )	35.0 (360)
		Twist			21.0 (220)

*These are typical properties and not product specifications.*