



# Three Bond International, Inc.

## Technical Data Sheet

### **TB 1305N ANAEROBIC ADHESIVE**

#### **Information**

TB1305N is a high performance, thixotropic, single fluid, solventless, anaerobic adhesive. TB1305N is a high strength type anaerobic adhesive. It will not set so long as it is in contact with air. It cures rapidly once contacts to metal and in absence of air.

#### **Applications**

Used mostly for locking bolts permanently.

#### **Typical Properties**

##### **1. Uncured State**

Properties	Units	Value
Appearance	-	Green
Viscosity	mPa·s (cP)	700 (700)
Specific Gravity	-	1.09

##### **2. Cured Material**

Properties	Units	Value
Set Time	Minutes	< 3
Curing Speed	Workable	1
	Final	12
Curing Time	80°C	20
	100°C	15
	120°C	10
Recommended Clearance	mm	0.01 ~ 0.02
Maximum Clearance		0.3

### 3. Cured Material

Properties			Units	Value
Service Temperature			°C	-40 ~ +150
Retaining Torque, M10.	Steel	Breakloose	N·m (kgf·cm)	46.0 (470)
		Prevailing		23.0 (240)
	SUS	Breakloose		35.0 (360)
	Al	Breakloose		25.0 (260)
	Brass	Breakloose		30.0 (310)
	Zn-Cr	Breakloose		14.0 (140)
	Ni	Breakloose		14.0 (140)
Shear Strength	Compression		MPa(kgf/cm <sup>2</sup> )	45.0 (460)
	Twist			29.0 (300)

*These are typical properties and not product specifications*