



## Three Bond International, Inc.

### Technical Data Sheet

#### **TB1401C – THREAD LOCK**

##### **Information**

TB1401C is a solvent based thread lock and can be use to lock screws, bolts, and threaded fasteners. TB1401C resists vibration and impact, and will not harm most plastics and printed parts. TB1401C can be use to prevent the loosening, leaking and rusting of screws.

##### **Typical Properties**

###### **1. General Properties**

Item	Unit	TB1401C
Appearance	-	Red
Viscosity	mPa{cP}	350{350}
Specific Gravity	-	0.88

###### **2. Curing speed**

Property		Units	Value
Curing schedule M10, Iron bolt/nut Initial fastening force = 0	1 day	N•m {kgf•cm}	0.8{8}
	2 days		1.5{15}
	3 days		3.0{31}
	7 days		10.5{107}
Break loose torque at various temperature M10, Iron bolt/nut Initial fastening force = 0	25°C	N•m {kgf•cm}	10.5 {107}
	50°C		6.0 {61}
	70°C		4.0 {41}
Bolt size and break loose torque Iron bolt/nut Initial fastening force = 0	M3	N•m {kgf•cm}	0.3 {3}
	M4		0.6 {6}
	M6		3.5 {36}
	M8		5.5 {56}
	M10		10.5 {107}

###### **3. Percent Non Volatile**

% N/V = 31
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*These are typical results not product specifications.*