



## Three Bond International, Inc.

### Technical Data Sheet

#### **TB1372D – ANAEROBIC SEALANT**

##### **Information**

TB1372D is a high glass transition temperature of set substance, and high bond strength anaerobic sealant. Since TB1372D is an anaerobic adhesive, it will not cure while exposed to air, however when a tight gap is created between metallic surfaces, an anaerobic adhesive is practically sealed off from contact with the air, and polymerization occurs very rapidly.

##### **Application**

The TB1372D is useful for various permanent bonding and sealing fit portion of metallic parts.

##### **Typical Properties**

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

Property	Units	Value	Test Method
Appearance	-	Green	3TS-201-01
Viscosity	mPa · s (cP)	100(100)	3TS-210-02
Specific gravity	-	1.07	3TS-213-02

###### **2. Curing Speed**

Shear Strength (Fixing of Pin and Collar)

Curing Speed	Units	Value	Test Method
Set Time	Minute	3	3TS-220-05
1 hour	MPa (kgf / cm <sup>2</sup> )	22.0 (224)	3TS-305-01
2 hours		25.0 (255)	
4 hours		27.0 (275)	
6 hours		27.5 (281)	
12 hours		30.0 (306)	
24 hours		32.5 (331)	

Test Pieces Size: Steel Pin and Collar 6mm-diameter × 15mm × 0.01mm Gap

### 3. Cured Material

Curing Condition		Units	Value	Test Method
Shear Strength	Steel	MPa (kgf / cm <sup>2</sup> )	33.0 (336)	3TS-305-01
	Stainless Steel		30.5 (311)	
	Aluminum		27.0 (275)	
Glass Transition Temperature		°C	147	3TS-304-21

Test Pieces Size: Pin and Collar 6mm-diameter × 15mm × 0.01mm Gap

\*: Measurement of Ultraviolet –set substance by DMS: Max. point temperature of tanδ

*These are typical properties and not product specifications.*