



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 ²)	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 ²)	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.