



Three Bond International, Inc.

Technical Data Sheet

TB1360 – ANAEROBIC SEALANT

Information

TB1360 is a high performance, single fluid, solvent less, red, anaerobic sealant. It will not set so long as it is in contact with air. Beside that TB1360 has an excellent heat resistance.

Application

Used mostly for threaded fasteners and fittings.

Typical Properties

1. Uncured State

| Property | Units | Value |
|------------------|--------------|-------------|
| Appearance | - | Red Liquid |
| Viscosity | mPa • s {cP} | 1100 {1100} |
| Specific gravity | - | 1.07 |

2. Curing Process

| Property | | Units | Value |
|----------------------------------|----------|-------|-------|
| Curing speed at room temperature | Workable | Hours | 6 |
| | Final | | 24 |

3-1. Retaining Torque (M10)

| Material | Type | Units | Value |
|---------------|-------------|------------------|----------|
| Steel | Break loose | N • m {kgf • cm} | 29 {290} |
| | Prevailing | | 20 {200} |
| Aluminum | Break loose | | 10 {100} |
| | Prevailing | | 11 {110} |
| Brass | Break loose | | 23 {230} |
| | Prevailing | | 18 {180} |
| Zinc-Chromate | Break loose | | 14 {140} |
| | Prevailing | | 18 {180} |
| Nickel | Break loose | | 15 {150} |
| | Prevailing | | 17 {170} |
| Black Plate | Break loose | | 14 {140} |
| | Prevailing | | 10 {100} |

3-2. Lap Shear Strength

| Material | Units | Value |
|----------------------|------------------------------|---------|
| Steel Pin and Collar | MPa {kgf / cm ² } | 23{230} |

4. Other Properties

| Property | Units | Value |
|-------------------------|-------|-------------|
| Recommended Clearance | mm | 0.01 ~ 0.05 |
| Maximum Clearance | mm | 0.3 |
| Serviceable Temperature | °C | -40 – 180 |

These are typical results not product specifications.