



---

# Three Bond International, Inc.

## Technical Data Sheet

### **TB1281B – SILICONE SEALANT**

#### **Information**

TB1281B is a high performance, room temperature vulcanized (RTV) silicone commonly used as a formed in place gasket (FIPG). TB1281B is characterized by good elasticity, temperature resistance and chemical resistance after curing. It has good automatic transmission fluid resistance.

#### **Typical Properties**

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

Property		Units	Value
Appearance		-	Red-Brown Paste
Viscosity	SOD	Pa s (P)	115 (1150)
Sag		-	Non-Sag
Specific gravity		-	1.45
Heating Residue		%	94
Main Component		-	Silicone
Reaction Mechanism		-	Deoxime
Tack Free Time		Minute	10
Curing Speed		mm / day	2.1

## 2. Cured Material

Property		Units	Value
Hardness		JIS A	60
Tensile Strength		MPa (kgf/cm <sup>2</sup> )	4.8 (48)
Elongation		%	220
Lap Shear	Steel/Steel	MPa (kgf/cm <sup>2</sup> )	2.0 (20)
	Aluminum/Aluminum		2.0 (20)
Pressure Resistance	RT	MPa (kgf/cm <sup>2</sup> )	Over 10 (100)
	80°C		
	150°C		
	-40°C × 2 hrs & 100°C × 3 hrs		
Blow Out Test (Clearance)	0.10 mm	MPa (kgf/cm <sup>2</sup> )	0.30(3.0)
	0.20 mm		0.15(1.5)
	0.50 mm		0.06(0.6)
Service Temperature		°C	-60 ~ 200

*These are typical results and are not specification.*