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# Three Bond International, Inc.

## Technical Data Sheet

### **TB1211 –SILICONE SEALANT**

#### **Information**

TB1211 is a high performance, room temperature vulcanized (RTV) silicone commonly used as a formed in place gasket (FIPG). TB1211 is characterized by good elasticity, temperature resistance and chemical resistance after curing.

#### **Typical Properties**

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

<b>Property</b>	<b>Units</b>	<b>Value</b>
Appearance	-	White
Viscosity	Pa s (P)	70 (700)
Specific gravity	-	1.01
Sag	-	Sag
Heating Residue	%	99
Main Component	-	Silicone
Reaction Mechanism	-	Deoxime
Tack Free Time	Minute	90

## 2. After Cure Properties

Property		Units	Value
Hardness		JIS A	24
Tensile strength		MPa (kgf/cm <sup>2</sup> )	2.5 (25)
Elongation		%	230
Lap shear	Aluminum/Aluminum	MPa (kgf/cm <sup>2</sup> )	1.0 (10)
Pressure resistance	Room Temperature	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> )	0.07 (0.7)
	0.20 mm		0.04 (0.4)
	0.50 mm		0.01 (0.1)
Fluid resistance	Water (95 C)	%	-0.5
	Gasoline (50 C)		-20.2
Service temperature		C	-60 ~ 200

*These are typical properties and not product specification.*