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## Three Bond International, Inc. Technical Data Sheet

### **TB1215 – SILICONE SEALANT**

#### **Information**

TB1215 is a high performance, room temperature vulcanized (RTV) silicone commonly used as a formed in place gasket (FIPG). TB1215 is characterized by good elasticity, temperature resistance and chemical resistance after curing.

#### **Typical Properties**

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

Property	Units	Value	
Appearance	-	Gray Paste	
Viscosity	BH	Pa•s{P}	70 {700}
	SOD		20 {200}
Sag	-	Semi-Sag	
Specific gravity	-	1.55	
Heating Residue	%	99	
Main Component	-	Silicone	
Reaction Mechanism	-	Deoxime	
Tack Free Time	Minute	60	

## 2. Cured Material

Property		Units	Value
Hardness		JIS A	45
Tensile Strength		MPa {kgf/cm <sup>2</sup> }	1.5 {15}
Elongation		%	320
Lap Shear	Steel/Steel	MPa {kgf/cm <sup>2</sup> }	0.9 {9}
	Aluminum/Aluminum		0.8{8}
Pressure Resistance	RT	MPa {kgf/cm <sup>2</sup> }	Over 10 {100}
	80°C		
	150°C		
	-40°C × 2 hr & 100°C × 3 hr		
Blow Out Test (Clearance)	0.10 mm	MPa {kgf/cm <sup>2</sup> }	0.07 {0.7}
	0.20 mm		0.05 {0.5}
	0.50 mm		0.01 {0.1}
Fluid Resistance	Water (95°C)	%	-0.4
	Gasoline (50°C)		-4.7
	Oil		+4.9
Service Temperature		°C	-60 ~ +200

*These are typical results and not specifications.*