



# TECHNICAL DATA SHEET

TDS# 2041A  
DATE: JUNE 2013

## BACON INDUSTRIES

### ELECTRICALLY CONDUCTIVE ADHESIVE CONDUCTING TWENTY/TWENTY

Bacon Industries offers two silver-filled epoxy adhesives for making electrical connections in applications where the high temperatures necessary to make soldered connections are detrimental to components. Because these materials are filled with silver, they also have relatively high thermal conductivity.

Conducting TWENTY/twenty is the most fluid of the two systems being self-leveling at room temperature and, therefore, easiest to apply.

### RECOMMENDED MIXING AND HANDLING PARAMETERS

Adhesive	Conducting TWENTY/twenty
Activator	BA-66B
Parts by weight of activator required per hundred of adhesive	5.50
Work life at 77°F, minutes	60
Recommended cure <sup>1</sup> , minutes/°F	2/200

### TYPICAL PROPERTIES OF CURED ADHESIVE:

Color	Silver
Specific Gravity	2.7
Hardness, Shore D	87
Volume Resistivity, ohm-cm	0.002
After heat aging:	
160°F:	
3 months	0.002
6 months	0.002
200°F:	
3 months	0.020
6 months	0.060
Weight Loss after Six Months	
at 200°F, %	0.10
at 250°F, %	0.25
Bond Strength to aluminum, psi	
at -65°F	1900
at 75°F	1800
at 120°F	1900
at 160°F	2000
at 200°F	1200
Heat Distortion Temperature (264 psi), °F	161

(over)

