



ANA-17710

DEFINITION

ANA-17710™ is a fast curing, solvent free die attach adhesive. ANA-17710 has moderate shrinkage during cure for alignment sensitive parts. Adhesion is excellent to metals, most engineered plastics such as PVC, Teslin®, flex circuitry and glass.

PRODUCT DESCRIPTION

| | |
|------------|------------------------|
| Appearance | Clear liquid |
| Odor | Very slight, pine like |
| Color | Clear |

| Property | Result | Methods |
|-----------|------------|--|
| Viscosity | 3000 mPa's | RVT spindle 14 small sample adapter, at 10 rpm |

| Other information | |
|--|---|
| Work life time @ 25 ± 2°C | Greater than 24 hours |
| Depth of cure | 0.2 inch depth, or less, is recommended due to high reactivity. |
| Mix Ratio | Single component. No mixing required |
| Curing cycle | 2 minutes at 120°C |
| Specific gravity @ 25°C (g/cm ³) | 1.15 |
| Storage stability | 3 months at -20C |



APPLICATION PROPERTIES

- ANA-17710™, when fully cured, is highly resistant to moisture
- ANA-17710™ is highly resistant to vibration and can be thermal cycled between -40 and 260°C.

TYPICAL PROPERTIES OF CURED ANA-17710™

The properties set out below were determined following measurements carried out in the laboratory over a small number of tests. They are values given by way of guidance, and do not constitute a guarantee. It will be for the user, in all cases, to carry out their own tests to determine whether the ANA-17710® resin can be used for the particular application the user has in mind.

PHYSICO-CHEMICAL PROPERTIES

| Properties | Methods | Units | Typical values |
|-------------------------|------------|-------|----------------|
| Cure 2 minutes at 120°C | | | |
| Shore D hardness | ASTM D2240 | ----- | 60 to F70 |
| Lap shear to Al | ASTM D3163 | psi | TBD |

ELECTRICAL PROPERTIES

| Properties | Methods | Units | Typical values |
|------------------------|---------|-------|------------------|
| Electrical Resistivity | ECA 1 | Ω-cm | 10 ¹⁴ |
| Glass transition Tg | DSC | C | 165 |

PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

ANA-17710 is available in syringes.
For sizes and part numbers, contact Protavic America, Inc.

The information contained in this data sheet corresponds to the present state of our knowledge; it is intended for your guidance but we are not bound by it since we are not in a position to exercise control over the manner in which our products are used. Moreover; the attention of the user is drawn to the risks that could possibly occur should a product be used for an application other than that for which it is intended.

PROTAVIC