



ANE-17794

DEFINITION

ANE-17794™ is a fast, one part, heat cure adhesive. ANE-17794™ is used for high speed bonding. ANE-17794™ is specifically developed for bonding difficult substrates such as, ceramics, metals and engineered plastics. Proven applications are bonding armatures in stepper motors, bonding ferrite, and sealing thyristors and thermistors against chemical attack.

PRODUCT DESCRIPTION

Appearance	Liquid
Odor	Faint
Color (May be modified to meet your requirements)	White to amber

Property	Result	Methods
Viscosity	5,000 mPa·s	Brookfield RVT, Spindle 27, Small Sample Adaptor, 10 rpm, 25°C

Other information	
Work life time @ 25 ± 2°C	1 year, cures only with heat.
Full Cure Time @ 150°C	5 minute
Full Cure Time @ 125°C	30 minutes
Mix Ratio:	One part no mixing required
Possible curing cycles	5 minute at 150°C 1 minute @ 180°C
Specific gravity @ 25°C (g/cm ³)	1.13
Storage stability (unmixed)	1 year at room temperature

APPLICATION PROPERTIES

- **ANE-17794™**, when fully cured, is highly resistant to moisture, antifreeze solutions, automotive fluids, detergents, gasoline, hydraulic fluids, plasticizers, cleaning agents, acids, and bases. Survives immersion in pure glacial acetic acid.
- **ANE-17794™** is highly resistant to vibration and can be thermal cycled between -40 and 210°C.

TYPICAL PROPERTIES OF CURED ANE-17794™

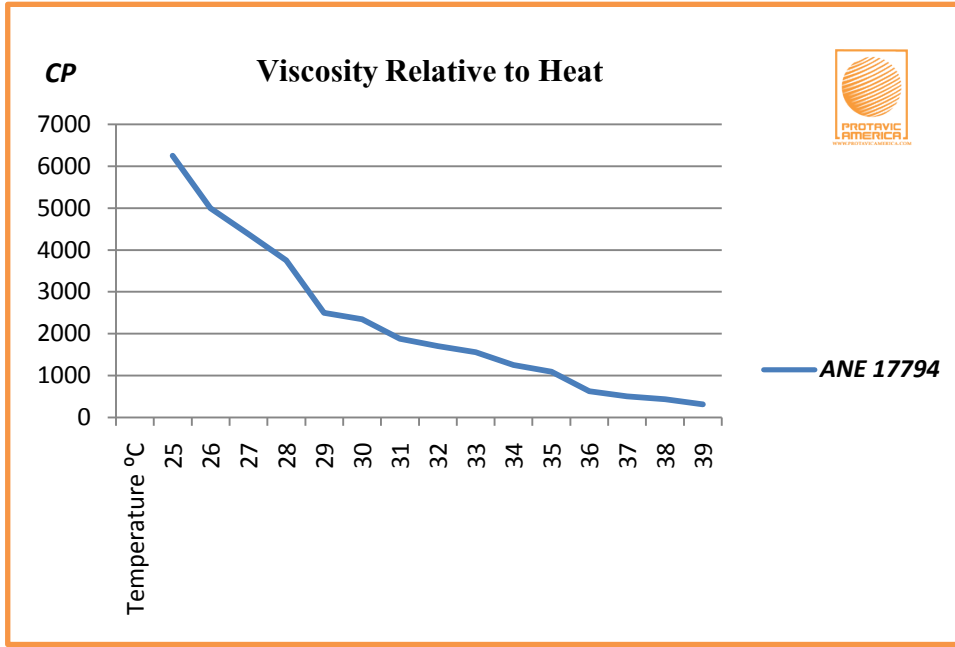
The properties set out below were determined following measurements carried out in the laboratory over a small number of tests. They are values given by way of guidance, and do not constitute a guarantee. It will be for the user, in all cases, to carry out their own tests to determine whether the **ANE-17794®** resin can be used for the particular application the user has in mind.

PHYSICO-CHEMICAL PROPERTIES

Properties	Methods	Units	Typical values
Cure 30 minutes @ 125°C			
Shore D hardness	ASTM D2240	-----	85
Lap shear to Al	ASTM D3163	psi	2,600

ELECTRICAL PROPERTIES

Properties	Methods	Units	Typical values
Volume Resistivity <ul style="list-style-type: none">• 100 V• 500 V	ASTM D257	Ω-cm	<ul style="list-style-type: none">• 8.0 x 10¹⁴• 6.3 x 10¹⁴
Dielectric Constant <ul style="list-style-type: none">• 120 Hz• 1000 Hz	ASTM D150	--	<ul style="list-style-type: none">• 4.3• 4.3
Dissipation Factor <ul style="list-style-type: none">• 120 Hz• 1000 Hz	ASTM D150	--	<ul style="list-style-type: none">• 0.002• 0.002
Coefficient of expansion	ASTM D696	1/K	<ul style="list-style-type: none">• 145ppm



PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

ANE-17794 is available in syringe, cartridge and liters.
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.