



ANE-47921 NS

DEFINITION

ANE-47921 NS is a toughened two part adhesive. ANE-47921 NS is specifically developed for bonding difficult substrates such as glass, ceramics, metals and engineered plastics. Proven applications are bonding stainless steel to aluminum. It bonds well to glass, rubber, metals, and ceramic.

PRODUCT DESCRIPTION

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

Property	Result	Methods
Viscosity	50,000 mPa·s	Brookfield C&P, Spindle 51, Small Sample Adaptor, 1 rpm, 25°C

Other information		
Work life time @ 25 ± 2°C	30 minutes (viscosity doubles)	
Full Cure Time @ 25°C	48 hours	
Fixture/Handling Time @ 25°C	4-5 hours (50 gram mass)	
Mix Ratio:	By weight:	Part A 100 Part B 50
	By Volume:	Part A 100 Part B 50
Possible curing cycles	48 hours at 25°C 60 minutes @ 65°C (150°F)	
Specific gravity @ 25°C (g/cm ³)	1.2	
Storage stability (unmixed)	1 year at room temperature	

APPLICATION PROPERTIES

ANE- 47921 NS, when fully cured, is highly resistant to moisture, antifreeze solutions, automotive fluids, detergents, gasoline, hydraulic fluids, plasticizers, cleaning agents, acids, and bases.

- **ANE-47921 NS** is highly resistant to vibration and can be thermal cycled between -40 and 150°F.

TYPICAL PROPERTIES OF CURED ANE-47921 NS

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-47921 NS** resin can be used for the particular application the user has in mind.

PHYSICO-CHEMICAL PROPERTIES

Properties	Methods	Units	Typical values
Cure 1 hours @ 65°C			
Shore D hardness	ASTM D2240	-----	85
Lap shear to Al	ASTM D3163	psi	≥ 5,000

ELECTRICAL PROPERTIES

Properties	Methods	Units	Typical values
Volume Resistivity	ASTM D257	Ω-cm	• 2.4 x 10 ¹⁴
Dielectric Constant • 120 Hz	ASTM D150	--	• 4.3
Dielectric strength	ASTM D 149		700 Volts/mil
Dissipation Factor • 120 Hz • 1000 Hz	ASTM D150	--	• 0.002 • 0.002
Water Absorption 24 hours boiling water			• 0.6%

PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

ANE-47921 NS is available in two component kits, and twin syringe cartridges like Mixpac™. 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