



PNE-36567™

Formerly X-1456-7

REV 3.1
C6-57084/C657085

DEFINITION

PNE-36567™ is a low viscosity, low dielectric constant, two-component epoxy designed for encapsulation or impregnating of high voltage coils and transformers.

PRODUCT DESCRIPTION

Appearance	Viscous liquid
Odor	Faint
Color	amber

Property	Result	Methods
Viscosity (mixed) @ 25°C	1,000 cP	Brookfield RVT, Spindle 27, Small Sample Adaptor, 10rpm
Viscosity (mixed, after 3 days) @ 25°C	2,100 cP	

Specific gravity @ 20°C (g/cm ³)	1.1		
Possible curing cycles	<ul style="list-style-type: none"> • 4 hours at 100°C • 2 hours at 125°C • 1 hour at 100°C + 1 hour at 150°C 		
Mix Ratio:	By weight:	Part A 100	Part B 100
	By Volume:	100	100
Shelf Life	One year stored at room temperature in original unopened containers.		

APPLICATION PROPERTIES

- **PNE-36567™** is recommended for the casting and/or encapsulation of high voltage coils and transformers.

APPLICATION RECOMMENDATIONS

- If using **PNE-36567™** in Kit form, mix two parts together thoroughly, and then degas to 0.5mm Hg or less until all air has been removed (10-15 minutes).

PROTAVIV AMERICA, INC.

TEL: & FAX: 800.807.2294 / INT'L: 978.372.2016

WWW.PROTAVIVAMERICA.COM

TYPICAL PROPERTIES OF CURED PNE-36567™

The properties listed below were determined from measurements carried out in a limited number of tests. These properties are given as 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 PNE-36567™ is suitable for the user's particular application. These properties were obtained after curing the PNE-36567™ 4 hours @ 100 °C.

Property	Result	Methods
Shrinkage on Cure	1.4 %	
Durometer, Shore D	70	ASTM D2240
Lap Shear	2,800 psi	ASTM D3163

ELECTRICAL PROPERTIES

Property	Result	Methods
Volume Resistivity <ul style="list-style-type: none">• 500 V• 1000 V	2.03 X 10 ¹⁶ Ω-cm 1.22 X 10 ¹⁶ Ω-cm	ASTM D257
Dielectric Constant/Dissipation Factor <ul style="list-style-type: none">• 120 Hz• 1000 Hz	2.69/0.0041 2.81/0.0041	ASTM D150
Dielectric Strength	500 V/mil	ASTM D149

PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

Contact Protavic America, Inc. for more Information

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.

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