



TECHNICAL DATA SHEET

VILEPOX PEB-41 Black Air Drying Varnish

DESCRIPTION

VILEPOX PEB-41 is a high temperature, fast cure, air dry poliurethane varnish, and is an excellent insulation coating for all electrical and electronic parts. It has the following outstanding properties:

1. Class F temperature rating
2. Quick drying
3. Good penetration
4. Good bonding strength
5. Solderable
6. Excellent heat, acid and alkali resistance

FIELD OF APPLICATION

VILEPOX PEB-41 is suitable for use on the following equipment:

Stator Windings	Printed Circuit Boards
Coils	Resistors
Transformers	Capacitors

CHARACTERISTICS

SPECIFICATIONS

Color	Black
Density (25°C), g/cm ³	0,9-1,0
Viscosity, (25°C, Mp4),	80-100 sec.
Fash point,	27 °C
Air Drying Time-Set to touch (25°C),	10 min.
Tack Free	30 min
Corrosive Effect on Copper	None

CHEMICAL RESISTANCE

Water	Excellent
Acid (10% Sulfuric Acid)	Excellent
Alkali (1% Sodium Hydroxide)	Excellent
Salt Water	Excellent
Oil, ASTM D-115	Passed

ELECTRICAL PROPERTIES

Dielectric Strength, volts/mil (Dry)	2000
Dielectric Strength, volts/mil (Wet)	1200



TECHNICAL DATA SHEET

APPLICATION

VILEPOX PEB-41 to mix the pigment, because there may have been some setting. May be applied by dipping, brushing or spraying as supplied. VILEPOX PEB-41 is used as supplied in many applications or may be thinned as required with VILEPOX H-3.

The film Thickness should be kept to no more than 0,05 mm. This allows for complete solvent release and proper cure. VILEPOX PEB-41 will air dry so that it can be handled in 30 minutes. For optimum chemical and abrasion resistance allow to air dry for at 24 hours.

GENERAL PROPERTIES

SOLVENT

Thin with VILEPOX H-3

IMPREGNATING ABILITY

VILEPOX PEB-41 has a low viscosity and will give well impregnated units by all methods.

STORAGE

one year (in closed cans at 5-25°C). As sedimentation of fillers may occur, the material has to be mixed thoroughly before use.

SAFETY AND ENVIRONMENT

Labour safety and environmental information is detailed in the „Safety data sheets” of the product.

This brochure was compiled according to our best knowledge, but no legal obligation can be based on its content.