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New Information  
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## B-142-2 Clear Baking Varnish

Westinghouse B-142-2 Insulating Varnish is a rapid curing version of B-142-1 which provides faster baking generally required on conveyorized production lines as opposed to batch type oven processes.

### Features:

- Modified Polyester
- Rapid cure
- Attains optimum properties quickly
- Excellent bond strength at room conditions and elevated temperatures
- Excellent compatibility with commonly used high temperature wire enamels, including Westinghouse OMEGA®
- Excellent resistance to transformer oil, moisture, solvents, acids, and alkalis

### Thermal Life

Westinghouse B-142-2 has a thermal life of 20,000 hours at 195°C as determined by IEEE #57 test using MW-35 wire.

### Bond Strength - Helical Coil

1 Mil build per dip, reverse dip, cure 4 hours at 150°C per dip.

### Room Temperature

46 lbs.

150°C.

23 lbs.

### Descriptive Information

Color ..... Amber  
 Non-Volatiles ..... 48 ± 1%  
 Specific Gravity ..... 0.980-0.990  
 Viscosity (Demmler #1 @ 25° C.) ..... 60-80 Seconds  
 Thinner ..... Xylol  
 Flash Point (Closed Cup) ... 81° F.  
 ASTM Drying Time @ 135° C. .... 10 Mins. Max.  
 Gel Time @ 135° C. .... 45-60 Minutes  
 Dielectric Strength - Dry ... 3100 Volts/Mil  
 Dielectric Strength - Wet ... 1700 Volts/Mil  
 Suggested Curing Cycle ... 1-4 Hours @ 135° - 160° C.

Specific Curing Cycle will vary with the pre-heat time and temperature, size of apparatus, baking temperatures, type of application, etc. Consult us for specific recommendations.

### Recommended Uses:

Westinghouse B-142-2 Insulating Varnish is recommended for the following applications: Automotive and aircraft alternator rotors, stators, and starting motors; small series wound armatures and other fractional h.p. motor windings; small and medium frame size integral h. p. motor armatures and stators; other components requiring high bond strength at elevated temperatures.

### Packaging Information:

Westinghouse B-142-2 Insulating Varnish is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.

OMEGA\* - Registered trademark for Ester-Amide-Imide.

The information contained herein is intended as a guide and should not be construed as a performance guarantee as the Company has no control over the manner in which others may employ the product.