



December 1, 1980
 New Information
 Mailed to: E, D, C/2169/DB

B-121 Clear Baking Varnish

Westinghouse B-121 is a modified polyester resin base varnish which may be cured at conventional baking temperatures commonly used for organic heat reactive varnishes.

Features

- B-121 cures to a tough, flexible state with good bond strength, adhesion, and dielectric strength
- Provides excellent resistance to moisture, oil, and acids
- Compatible with all regularly used insulating materials, including commercially available recognized Class F magnet wires

Thermal Life

Westinghouse B-121 has a thermal life of 20,000 hours at 190°C as determined by IEEE #57 test using MW-35 wire.

Bond Strength - Helical Coil

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

Room Temperature **150°C.**

40 lbs.

3 lbs.

Descriptive Information

Color	Amber
Non-Volatiles	48 ± 1%
Specific Gravity	930 - .945
Viscosity (Demmler #1 @ 25° C.)	90-140 Seconds
Thinner	Xylol
Flash Point	81° F.
ASTM Drying Time @ 135° C.	15 Minutes
Gel Time @ 135° C.	60-90 Minutes
Dielectric Strength - Dry ...	2700 Volts/Mil
Dielectric Strength - Wet ...	1350 Volts/Mil
Cake Hardness (Shore A Durometer)	
6 Hour Cake @ 135° C. ...	52/45
Cake in Oil 48 Hrs. @ 110° C.	80/75
Recommended Curing Cycles	6-12 Hrs. @ 135°
	Or 5-8 Hrs. @ 150° C.

Performance Information

Oil Resistance	Excellent
Moisture Resistance	Excellent
Acid Resistance	Excellent
Alkali Resistance	Good

Recommended Uses

Westinghouse B-121 is recommended for general purpose use for treating coils and wound apparatus with the exception of small, high speed armatures.

Packaging Information

Westinghouse B-121 Clear Baking Varnish is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.