



B-280-2 Epoxy Varnish

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

Westinghouse B-280-2 is a modified epoxy, heat reactive varnish for use in impregnating, bonding, and insulating coils in electrical apparatus. It is essentially recommended for use in applications where resistance to chemical attack, such as encountered in packing houses and chemical plants, is required.

Features:

- Cures to a tough protective finish with good adhesion and dielectric strength
- Has excellent resistance to oils, acid alkali, and chemical attack
- B-280-2 varnish conforms to requirements of MIL-I-24092 Type M, Class 130

Thermal Life

Westinghouse B-280-2 has a thermal life of 20,000 hours at 160°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.
39 lbs.	5 lbs.

Descriptive Information

Non-Volatiles	50 ± 1%
Specific Gravity @ 25° C.	0.955 - 0.960
Viscosity (Demmler #1 @ 25° C.)	90-165 Seconds
Thinner	Xylol
Flash Point	81° F.
Gel Time @ 135° C.	45-55 Minutes
Cake Hardness (Shore Durometer)	
- 6 Hour Cake	65-67
- Cake In Oil	85/77
Dielectric Strength - Dry	2300 Volts/Mil
Dielectric Strength - Wet	1800 Volts/Mil
Recommended Curing Temperature	1-2 Hrs. @ 150° C.

Packaging Information:

Westinghouse B-280-2 Epoxy Varnish is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.

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.