



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

## B-502-1 Clear Baking Varnish

Westinghouse B-502-1 is clear, heat reactive polyurethane baking varnish specifically developed for electrical applications where ultimate arc and track resistance are prime factors in the design of the apparatus.

### Features

- Exhibits outstanding arc and track resistance
- Has excellent outdoor weathering endurance
- Has extremely good shelf life and tank life
- Has a high degree of chemical resistance
- Cures to a tough, void free film, having good adhesion and high dielectric strength
- Exhibits excellent coating and impregnating characteristics

### Descriptive Information

Type .....	Clear Polyurethane
Thinner .....	Xylol
Flash Point .....	81° F.
Viscosity (Demmler #1 @ 25° C.) .....	20 - 40 Seconds
Specific Gravity @ 25° C. ....	.950 - .960
Non-Volatile .....	50±1%
Dielectric Strength - Dry (ASTM) .....	3000 Volts/Mil
Dielectric Strength - Wet (ASTM) .....	2300 Volts/Mil
Weatherometer (500 hrs. exposure) .....	Very slight loss of gloss
Recommended Curing Cycle .....	7-9 Hours @ 135° C.
Dust-Fog Tracking Test .....	87 hours to failure as compared to 0.5 to 6 hours for various polyesters, epoxy, acrylic, alkyd, and phenolic resins

### Thermal Life

Westinghouse B-502-1 has a thermal life of 20,000 hours at 165°C as determined by IEEE #57 test using MW-35 wire.

### Packaging Information

Westinghouse B-502-1 Clear Baking Varnish is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.