



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

## B-529 OMVAR Clear Baking Varnish

Westinghouse B-529 OMVAR is a high temperature polyaromatic, thermosetting, insulating varnish. This varnish was designed specifically for compatibility with standard Class H Wire Enamels: Ester-Amide-Imide (OMEGA), Polyester-Imides, Polyester, and their Polyamide-Imide overcoated counterparts.

### Features:

- Compatible with standard high temperature wire enamels
- Excellent bond strength
- Baked at normal temperatures
- Excellent oil resistance
- Excellent chemical resistance
- Excellent moisture resistance

### Descriptive Information:

Non-Volatile @ 135° C. .... 50±1%  
Specific Gravity @ 25° C. .... 0.960 - 0.990  
Viscosity (Demmler #1 @  
25° C. .... 125 - 175  
Seconds  
Thinner .... Xylol  
Flash Point (Tag Close Cup) ... 81° F.  
Dry Time @ 135° C. .... 5 Minutes  
Gel Time @ 200° C. .... 15 - 35  
Minutes

### Cake Hardness (Shore a Durometer)

Initial Cake .... 92/65  
Cake in oil 48 Hrs. @ 110° C. ... 92/65  
Dielectric Strength - Dry .... 3100 Volts/Mil  
Dielectric Strength - Wet .... 2400 Volts/Mil

### Thermal Life

Westinghouse B-529 has a thermal life of 20,000 hours at 208° C as determined by IEEE #57 test using MW-35 wire.

### Bond Strength - Helical Coil:

2 Mils Cured 1 Hr/Dip @ 200° C.  
2 Mils Cured 1 Hr/Dip @ 200° C. + 24 Hours

Break at Room Temp.	150° C.
24 Lbs.	4 Lbs.
43 Lbs.	4 Lbs.

### Recommended Curing Cycle

Two hours @ 200° C. or eight hours @ 175° C.  
after part has reached temperature.

### Packaging Information:

Westinghouse B-529 OMVAR Baking Varnish  
is available in 1-gallon cans, 5-gallon  
pails, and 55-gallon drums.