

## Glyptal Inc.

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### PRODUCT DATA SHEET 9620

#### DESCRIPTION

GLYPTAL 9620 INSULATING VARNISH is a clear air-drying , insulating, and finishing varnish designed for applications where oil, moisture, and acid-resistant coatings are desired. This fast-drying, synthetic-resin-type varnish is often used as a final coat over other varnishes, giving a hard, glossy protective coating. GLYPTAL 9620 Varnish has excellent heat resistance and will operate as a finish coat at temperatures up to 130 °C on an apparatus that is not flexed. Although primarily an air-drying varnish, the oil, moisture, acid, and salt water resistance are greatly improved by baking. GLYPTAL 9620 has excellent adhesion to most materials. It has excellent dip tank stability where the proper thinners are used.

#### PRODUCT DETAILS

|                                         |                         |
|-----------------------------------------|-------------------------|
| Percent Solid by Weight                 | 40% ± 2                 |
| Viscosity @ 25 °C (MacMichael), average | 300-500 cps             |
| Solvent System                          | Xylene                  |
| Specific Gravity @ 25 °C, average       | 0.98                    |
| Flash Point (Pensky-Martens)            | 66 °F                   |
| Air-Drying Time, tack free, average     | ½ hour (1 mil dry film) |

#### Typical Cured Properties

|                                             |           |
|---------------------------------------------|-----------|
| Dielectric Strength – Dry<br>(ASTM D115-55) | 2500 vpm  |
| Dielectric Strength – 24 hours in water     | 600 vpm   |
| Chemical Resistance                         |           |
| Oil (Transil)                               | Excellent |
| Water                                       | Good      |
| Salt Water                                  | Good      |
| Acid                                        | Good      |
| Alkali                                      | Fair      |

#### APPLICATIONS

GLYPTAL 9620 is suggested as a general-purpose insulating and finishing varnish for form and random-wound coils, stators, armatures, and most other types of electrical apparatuses. It is excellent for giving an oil-resistant finish coating over inexpensive asphalt varnishes.

GLYPTAL 9620 has also found many uses as a fast-drying, general purpose adhesive, protective coating, and insulating varnish. It is especially suggested for treatment of small windings where air-drying or short-baking cycles are required.

GLYPTAL 9620 is compatible with systems using varnished cloth, cotton, rayon, Dacron, polyester fiber, nylon, glass tapes, laminates, slot liners and slot wedges, mica products, Irrathene, irradiated polyethylene, mylar film, oleoresinous and Formvar wire enamels, vinyl and acetate products, metals, braided wires and cables, and most other materials found in electrical equipment.

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