



# TECHNICAL DATA SHEET

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## LC-705 105°C

### Clear Insulating Lacquer

#### PRODUCT DESCRIPTION

LC-705 Clear Insulating Lacquer is made of a cellulosic film forming compounded with selected plasticizers and solvents.

FEATURES & BENEFITS	
<ul style="list-style-type: none"> <li>• Low flammability film.</li> <li>• Rapid air-drying.</li> <li>• Good corona resistance.</li> </ul>	<ul style="list-style-type: none"> <li>• Low power factor.</li> <li>• Tough, flexible film.</li> <li>• Conforms to MIL-I-17384A, Type G, Clear.</li> </ul>

RECOMMENDED USES		
<ul style="list-style-type: none"> <li>• Deflection Yoke Coating</li> <li>• Coil Winding Adhesive</li> </ul>	<ul style="list-style-type: none"> <li>• Waterproof Seal for Small Coils</li> <li>• Paper Coil Form Coating</li> </ul>	<ul style="list-style-type: none"> <li>• Lock on I.F. Transformer Adjusting Screws</li> </ul>

#### TYPICAL PROPERTIES - Physical

Color/Appearance	Clear
Weight per Gallon @ 77°F (25°C), ASTM D 1475, lbs/gal,	
Solids Content, ASTM D 115, %	
Thinner (solvent)	Dolph's T-220
Film Build, ASTM D-115, mils/side,	4-7 mils
Gel Time @ XXX °F (XXX°C), minutes	
Pot Life @ 77°F (25°C), hours/days	
Air Drying Time on Copper Strip, ASTM D-115, Min.	Set to Touch Tack Free 15 minutes
Flash Point, °F	
VOC Content, ASTM, D 6053, lbs/gal	

**Chemical Resistance**

Water	Passes
Acid (10% Sulfuric Acid)	Passes
Alkali (1% Sodium Hydroxide)	
Salt Water	
Oil, ASTM D-115	Passes
(Other)	
Corrosive Effect on Copper	

**Thermal Class (UL 1446)**

Twisted Pair	Magnet Wire	Temp
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**APPLICATION GUIDELINES**

LC-705 may be applied by dipping, brushing, and spraying. In spraying applications it should be tinned 20% to 25% with Dolph's T-220 Thinner.

LC-705 Clear Insulating Lacquer is also available in Dolph-Spray aerosol containers.

**COMPATABILITY WITH MAGNET WIRE COATINGS:**

LC-705 is compatible with the following magnet wire coatings:

Polyvinyl Formal	Epoxy
Polyvinyl Formal-Polyamide	Textile
Polyamide	Polyester
Polyimide	Polyurethane-Polyamide

**STORAGE AND SHELF LIFE**

Shelf life (bulk) is one year from date of shipment from our plant, when stored in closed containers at 70°F or below.

1. Store in cool, dry place at 70°F/21°C or below.
2. Protect from direct sunlight and sources of heat
3. Keep away from heat, sparks and open flame.

**SAFETY AND ENVIRONMENT**

Avoid contact with skin and eyes. See Material Safety Data Sheet

AUTHORIZED DISTRIBUTOR