



SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHAT LTD.,
ODHAV, AHMEDABAD – 382 415, INDIA

PRODUCT CODE : PHENOLIC / 07.04

Synpol LQ-4

TYPE : Butylated phenol formaldehyde resin.

DESCRIPTION : Catalysed butylated phenolic resin specially developed for carbon track potentiometer application.

SPECIFICATIONS :

1) Appearance	Clear brownish yellow thin liquid.
2) Density @ 25 ⁰ C.	0.925 - 0.935
3) % Solids @ 120 ⁰ C. for 2 hrs.	38 - 42
4) Solvent	n-Butyl Alcohol
5) Viscosity @ 25 ⁰ C. by FC # 4 in seconds	15 - 25
6) Curing schedule @ 140 ⁰ C., minutes	30

SOLUBILITY :

Synpol LQ-4 is soluble in alcohols, esters, ketones, aromatic hydrocarbons.

APPLICATIONS :

Synpol LQ-4 is specially developed for carbon filled coatings in carbon track potentiometer in electrical applications. Sprayable coating is made by dispersing 4 - 6 % carbon black (1000 mesh size) in colloid mill. The coating is applied by suitable spray gun to a coating thickness of approx. 0.1 to 0.5 mm. thickness and cured at 140 - 160⁰ C. for 10 - 20 minutes. Use good quality thinner for adjusting viscosity and for cleaning of spray gun.

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DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

MATERIAL SAFETY DATA :

Product name	Synpol LQ-4
Flash point ° C. (Abel closed cup)	31
Flammability	Moderate fire risks.
Toxicity	Moderately toxic by exposure and inhalation due to vapours of n-Butyl alcohol and residual formaldehyde.
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.
Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

STORAGE :

Due to thermosetting nature of Synpol LQ-4, it should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

DISCLAIMER :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

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