



PRODUCT CODE : PHENOLIC / 07.11

Synpol PN-40/C

TYPE : Phenol Cresol Novolac resin for Offset printing plates and miscellaneous lacquer applications.

SPECIFICATIONS :

1) Appearance	Brown solid resin in lump form.
2) Color Gardner	12 max.
3) Density @ 25 ⁰ C.	1.2 - 1.3
4) Viscosity @ 25 ⁰ C., of 40 % solution in M.E.G. , poise	35 - 65
5) Sinter point, ⁰ C, by capillary method	98 – 106
6) Ethanol Solubility	Infinite

SOLUBILITY :

Synpol PN-40/C is soluble in alcohols, esters, glycol ethers and ketones. It is not soluble in aliphatic and aromatic hydrocarbons, but very limited amount of toluene can be added in a spirit solution of the resin.

COMPATIBILITY :

Synpol PN-40/C is compatible polyvinyl butyrals, but has limited compatibility with alkyds and plasticizers.

APPLICATIONS :

Synpol PN-40/C is very useful for coating systems for photolithographic printing plates and positive process photographic lacquers. It has more solubility in weak alkalies as compared to Cresol Novolac resins.

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MATERIAL SAFETY DATA :

Product name	Synpol PN-40/C
Flash point ° C. (Abel closed cup)	Above 200
Flammability	Moderate fire risks.
Toxicity	Moderately toxic.
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	Collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

STORAGE :

The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. polylined HDPE bags.

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