



PRODUCT CODE : PHENOLIC / 07.09

Synpol PN-45/P

TYPE : Spirit Soluble Phenol Formaldehyde Novolac resin.

SPECIFICATIONS :

1) Appearance	Pale yellow to brown solid resin in lump form.
2) Density @ 25 ⁰ C.	1.2 - 1.3
3) Viscosity @ 25 ⁰ C., of 50 % solution in methylated spirit, cps.	50 - 160
4) Sinter Point ⁰ C, by capillary method	75 - 85

SOLUBILITY :

Synpol PN-45/P is soluble in methylated spirit in all proportions. 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-45/P is compatible with epoxy resins, polyvinyl butyrals and nitrocellulose.

APPLICATIONS :

Synpol PN-45/P is a pure phenolic resin of the novolac type. It is practically odourless, pale colour and it has little tendency to yellowing and very good solvent release. By virtue of its outstanding solvent release and quick drying it is suitable for manufacture of Flexographic printing inks and Alcohol based photogravure inks. In this respect the following properties are especially worth mentioning -- It's slight tendency to yellowing, its neutrality and its good resistance to water & various chemicals.

Synpol PN-45/P is used in wide variety of applications as listed below.

- Deep freeze, oil resistant, Flexo/Gravure inks
- Flexographic printing inks for food wrappers
- Alcohol based photogravure inks
- Aniline inks
- Spirit varnishes
- Road marking and petrol resistant paint
- Rust preventive lacquers
- Lacquer for paper, foils, wood and metals

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MATERIAL SAFETY DATA :

Product name	Synpol PN-45/P
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 :

Synpol PN-45/P should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. polylined HDPE bags.

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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