



# SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE: PVB / 05.01

## SYNPOL B-30

TYPE: Poly vinyl butyral resin.

DESCRIPTION: Low viscosity PVB resin in fine granular form.

### SPECIFICATIONS:

1) Appearance	Clear water white free flowing powder in granular form.
2) Density @ 25 <sup>o</sup> C.	1.05 - 1.15
3) % Solids @ 120 <sup>o</sup> C./ 1 Hr.	≥ 96%
4) Viscosity @ 25 <sup>o</sup> C. , cps	
a) 15 % solution in 60: 40 Toluene / Ethanol (by weight)	200 - 450
b) 10 % solution in 95 <sup>o</sup> ethyl alcohol	50 - 100
5) Colour of above solution, gardener	2 max.
6) % Composition ,	
Poly vinyl butyral	76 - 81
Poly vinyl alcohol	16 - 20
Poly vinyl acetate	1 - 3
7) Softening point <sup>o</sup> C	45 - 55

SOLUBILITY : Synpol B-30 is soluble in alcohols, glycol ethers, mixture of alcohol & aromatic hydrocarbons.

COMPATIBILITY : Synpol B-30 is compatible with certain butylated UF, MF, benzogaunamine resin such as Synpol 1001, Synpol MF 310 and Synpol BG-40, nitrocellulose, medium and high molecular weight epoxy resins such as Synpol 450 XX to Synpol 4000, butylated phenolic resins such as Synpol L-9 and Synpol L-97.

APPLICATIONS : Synpol B-30 find many applications in surface coatings such as metal coatings, wash primers, wood finishes, paper varnishes, wire enamels, textile coatings. It is also very useful in printing inks, adhesives and as a inter layer in safety glass manufacture.

### SUGGESTIVE FORMULATIONS :

#### 1) Air drying foil lacquers.

	I	II
	kgs.	kgs.
Synpol B-30	15.0	10.0
N-butyl alcohol	10.0	-
Cellosolve	-	10.0
Denatured spirit	65.0	80.0
Toluene	<u>10.0</u>	<u>-</u>
Total	100.0	100.0
% Solids	15	10
Viscosity @ 25 <sup>o</sup> C in FC4, seconds	122	37

#### 2) Flexographic printing inks for paper, glassine, cellophane and aluminium foil.

	<u>Yellow</u>	<u>Red</u>
	kgs.	kgs.
Synpol B-30	9.5	9.5
Hansa yellow 10 G	10.5	-
Permanent Red FGR	-	12.6
Dibutyl phthalate 3.0	-	-
Castor oil BSS	-	3.0
Denatured spirit	<u>77.0</u>	<u>74.9</u>
Total	100.0	100.0
% Solids	23.0	25.1

The above formulations can be coloured by incorporation of spirit soluble dye-stuffs to the extent of 0.5 to 3.5 % by weight. The film can be heat sealed at 80 - 120<sup>o</sup> C.

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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 B-30
Flash point <sup>0</sup> C. (Abel closed cup)	Above 150
Flammability	Combustible.
Toxicity	Virtually non-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	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:**

Synpol B-30 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 paper 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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