



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE: AMINO / 01.09

Synpol BG-40

TYPE : Butylated benzoguanamine formaldehyde resin

DESCRIPTION: A low viscosity wide compatibility resin with superior adhesion and flexibility.

SPECIFICATIONS:

1) Appearance	Colorless Clear Liquid
2) Density @ 25 ⁰ C.	1.01 - 1.03
3) % Solids @ 105 ⁰ C. for 2 hrs.	72 - 76
4) Solvent	N-Butyl Alcohol
5) Viscosity @ 25 ⁰ C. , poises (gardner)	10 - 20
6) % Free formaldehyde of supply	2 Max.
7) Acid value of supply, mg KOH / gm	1 Max.
8) Mineral spirit tolerance (ml/10g resin)	40 - 80

SOLUBILITY:

Synpol BG-40 is soluble in alcohols, esters, ketones, glycol ethers, aromatic & chlorinated hydrocarbons and is insoluble in water.

COMPATIBILITY:

Synpol BG-40 is compatible with all short oil, medium oil and long oil alkyds, oil free polyesters, medium and high molecular weight epoxy resins & their esters, thermo-setting acrylics, P.V.B. and thermoplastic polymers such as cellulose nitrate, vinyl polymers and cellulose acetate butyrate.

APPLICATIONS:

Synpol BG-40, having wide range of compability, may be useful in formulations with almost all cross-linkers, enhancing adhesion, flexibility, impact resistance, gloss and gloss retention. Further it provides high build with good resistance to heat, water, dilute alkalies and detergents. It also retains good mechanical properties at elevated temperatures.

SUGGESTIVE FORMULATION:

Top quality white appliance enamel

	kgs.
Titanium dioxide rutile	25.0
Blumer C-132 (70% in Xylene)	28.6
Synpol BG-40	17.0
Xylene	24.4
N-Butyl alcohol	<u>5.0</u>
Total	100.0
% Solids	55.5
Pigment binder ratio	45 : 55
Alkyd MF ratio	65.5 : 34.5
Stoving schedule @ 120 ⁰ C, minutes	30

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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 BG-40
Flash point ° C. (Abel closed cup)	35
Flammability	Highly flammable
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 vapors.
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 amino resins they 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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