



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE: AMINO / 01.05

Synpol MF-268

TYPE: Butylated melamine formaldehyde resin

DESCRIPTION: Highly reactive low temperature cross-linking resin.

SPECIFICATIONS:

1) Appearance	Colorless Clear liquid
2) Density @ 25 ⁰ C.	1.01 - 1.03
3) % Solids @ 105 ⁰ C. for 2 hrs.	57 - 61
4) Solvent	N-Butyl Alcohol
5) Viscosity @ 25 ⁰ C. , poises (gardner)	10 - 20
6) % Free formaldehyde of supply	3 Max.
7) Acid value of supply, mg KOH / gm	1 Max.
8) Mineral spirit tolerance (ml/10g resin)	40 - 70

SOLUBILITY:

Synpol MF-268 is soluble in alcohols, esters, ketones, glycol ethers, aromatic hydrocarbons. It has limited solubility in aliphatic hydrocarbons and is insoluble in water.

COMPATIBILITY:

Synpol MF-268 is compatible with all short oil alkyds, oil free polyesters, medium and high molecular weight epoxy resins, epoxy esters, thermo-setting acrylics, P.V.B. resins, some of vinyl copolymers, nitro-cellulose, cellulose acetate butyrate and ester type of plasticizers.

APPLICATIONS:

Synpol MF-268 due to its high reactivity gives to coatings based on this resins, excellent gloss, hardness, long durability and gloss retention along with resistance to organic acids, soaps, detergents, mineral oils, petrol, grease etc. Therefore it finds applications in coatings for hospital and kitchen appliances, fans, machine tools, sewing machines, bicycles and auto finishes.

SUGGESTIVE FORMULATIONS:

1) Top quality white appliance enamel

	kgs.
Titanium dioxide rutile	25.0
Blumer C-132 (70% in Xylene)	28.6
Synpol MF-268	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

2) Acrylic white baking enamel

	kgs.
Titanium dioxide rutile	23.3
Synpol AT-56	49.2
Synpol MF-268	14.6
Xylene	7.4
N-Butyl alcohol	<u>5.5</u>
Total	100.0

% Solids	56.6
Pigment binder ratio	41 : 59
Acrylic MF ratio	70 : 30
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 MF-268
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 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 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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