



BLUEBELL POLYMERS PRIVATE LIMITED

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PRODUCT CODE : AMINO / 08.01

BLUMER MF-1310

TYPE : Medium reactivity Butylated melamine formaldehyde resin with wide compatibility.

SPECIFICATIONS :

1) Appearance	Clear and water white viscous liquid.
2) Density @ 25 ^o C.	1.01 - 1.03
3) % Solids @ 120 ^o C. for 2 hrs.	58 - 62
4) Solvent	N-Butyl Alcohol
5) Viscosity @ 25 ^o C., poises (gardner)	10 - 20
6) % Free formaldehyde	3 max.
7) Acid value (mg KOH/g)	2 max.
8) Mineral spirit tolerance (ml/10g resin)	30 - 60
9) Xylene Tolerance	1:Infinite

SOLUBILITY : Blumer MF-1310 is soluble in alcohols, esters, ketones, glycol ethers and aromatic hydrocarbons. It has limited solubility in aliphatic hydrocarbons and is insoluble in water.

COMPATIBILITY : Blumer MF-1310 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 : Blumer MF-1310 is mainly used for high gloss general purpose stoving enamels based on oxidizing and non oxidizing short and medium oil modified alkyd resins. It has very good paint stability. Due to its excellent range of compatibilities, this resin is suitable for use with wide range of film forming polymers such as Blumer 1450 XX to make D.G. lacquer for coating metallised polyester films.

SUGGESTIVE FORMULATIONS :

1) Interior metal finishing baking enamel

	kgs.
Titanium dioxide anatase	20.0
Lamp black	0.1
Blumer D-140 (70% in xylene)	34.3
Blumer MF-1310	10.0
Xylene	30.6
N-Butyl alcohol	5.0
Total	100.0

% Solids	50.0
Pigment binder ratio	40 : 60
Alkyd MF ratio	80 : 20
Stoving schedule @ 120 ^o C, minutes	30

2) Epoxy ester amino based water-resistant White enamel for hospital and lab appliances

	kgs.
Titanium dioxide rutile	25.0
Synpol 6040	42.0
Blumer MF-1310	15.0
N-Butyl alcohol	4.5
Xylene	13.5
Total	100.0

% Solids	55.0
Pigment binder ratio	44 : 56
Epoxy ester MF ratio	70 : 30
Thinner (Xylene : Butanol)	80 : 20
Stoving schedule @ 120 ^o C, minutes	20 - 30

continued.....

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	Blumer MF-1310
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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