



BLUEBELL POLYMERS PRIVATE LIMITED

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PRODUCT CODE: POLYAMIDE / 05.02

BLUMER 1950

TYPE: Non-reactive Polyamide resin.

DESCRIPTION: Non-reactive Alcohol soluble polyamide resin for flexographic liquid printing inks.

SPECIFICATIONS:

1) Appearance	Yellowish Brown Clear Granules.
2) Density @ 25°C.	0.98
3) Viscosity of 40% solution in Ethanol @ 30°C by F.C.No.4, seconds	15 – 20
4) Colour gardner (Viscosity solution)	9 max.
5) Amine value, mg KOH/gm by HCl method.	7 max.
6) Acid value, mg KOH/gm.	7 max.
7) Melting Point by Ball & Ring	115 -125°C

SOLUBILITY: Blumer 1950 is soluble in alcohols namely Methylated Spirit, Normal and Isopropanol, n-Butanol. It is advisable to add 5% aromatic or ester solvents along with alcohols to have better stability of printing inks against gelation.

COMPATIBILITY: Blumer 1950 is compatible with low melting grades of Maleic and Phenolic modified Rosin esters, Ester gum, Ketone formaldehyde resin, some grades of Nitrocellulose to limited extent, plasticizers like D.B.P., D.O.P. and Di Octyl Adipate, low melting grade of Polyethylene, Paraffin and Castor oil based Waxes.

APPLICATIONS: Blumer 1950 finds wide applications specially in alcohol based flexographic inks for food and other packings, aluminium foils, etc. It has better compatibility with Nitrocellulose as compared to Blumer 1930.

SUGGESTIVE FORMULATIONS:

1) Printing Ink for treated Polyethylene

	<u>Kgs.</u>
Titanium Dioxide Rutile	32.0
Blumer 1950	16.0
Nitrocellulose ¼"	9.5
Polyethylene wax	1.5
Isopropanol	10.0
Ethyl Acetate	20.0
Xylene	<u>11.0</u>
Total	100.0

2) Printing Ink for food packages

	<u>Kgs.</u>
Titanium Dioxide Rutile	32.0
Blumer 1950	22.0
Nitrocellulose ¼"	4.5
Polyethylene Wax	1.5
Isopropanol	20.0
Methylated Spirit	15.0
Ethyl Acetate	<u>5.0</u>
Total	100.0

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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	Blumer 1950
Flash point ° C. (Abel closed cup)	Above 200
Flammability	Combustible.
Toxicity	Virtually non toxic by exposure and inhalation.
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 :

Blumer 1950 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 Kgs. net 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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