



COATINGS AND
PLASTICS
MATERIALS

BAKELITE® VINYL CHLORIDE-ACETATE RESIN

VMCH

FOR SOLUTION COATINGS

PRODUCT STANDARDS

DESCRIPTION

An acid modified vinyl chloride-vinyl acetate copolymer resin of medium-molecular weight. Solubility characteristics are similar to those of BAKELITE VYHH resin.

BAKELITE VMCH resin is recommended for general coatings use either alone or in combination with other vinyl resins to obtain good air dry adhesion to metal, paper, and other substrates. This resin is listed by chemical identity in the Resinous and Polymeric Coatings Food Additive Regulation § 121.2514.

Properties of BAKELITE Vinyl Solution Resin VMCH

Property	Testing Method	Required Values
Appearance	Visual	White, powdered solid
Specific gravity	ASTM D 792	1.35 ± 0.005
Size, % by wt. through a No. 20 USBS Sieve	WC-7-F	98, minimum
Apparent Density, lb./cu.ft., approximate	WC-2-B	30
Heating Loss, 45 minutes at 105 °C., % by wt.	WC-160-H	3.0, maximum
Poly(Vinyl Chloride), % by wt.	WC-294-B or D	85.0 - 88.0
Maleic Acid, % by wt.	WC-308-A	0.8 - 1.2
Lead, ppm.	WC-20-D or K	5, maximum
Solution Properties, 22% solution of resin in 1:1 MIBK:Toluene		
Viscosity at 25 °C., cps.	WC-31-W	200 - 400
Color:light transmission at 475 mμ/600 mμ, per cent	WC-5-K-2	85, minimum
Turbidity:light transmission at 600 mμ	WC-5-K-2	80, minimum
Insoluble Matter, % by wet volume, 10% solution	WC-322-C	0.03, maximum

November, 1972
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TESTING METHODS

Designated tests are made in accordance with current issues of the ASTM or UNION CARBIDE (WC) testing methods designated. The former can be obtained from the American Society for Testing and Materials, Philadelphia, Pa., while the latter are available from Union Carbide Corporation upon request.

PACKAGING AND LABELING

The standard package for BAKELITE VMCH is a multi-wall paper bag containing 50 pounds of product. The package will be plainly marked with the product and blend numbers and the quantity of material contained. BAKELITE VMCH is also available in bulk; by hopper car containing approximately 150,000 pounds; and in certain geographic areas, by hopper truck containing approximately 40,000 pounds.

SHIPPING AND STORAGE

BAKELITE Vinyl Solution Resin VMCH is a stable material when kept in closed containers stored in a cool dry place.

PRECAUTIONARY LABELING

On the basis of the toxicological, physical, and chemical properties of BAKELITE Vinyl Solution Resin VMCH, precautionary labeling used on the containers is as follows:

FOR INDUSTRY USE ONLY

TOXICOLOGICAL PROPERTIES

BAKELITE Vinyl Solution Resin VMCH is a powdered resin which is essentially inert and non-toxic. Its dust is classed as a nuisance dust which is not known to cause lung disease. However, it is prudent not to exceed the recommended Threshold Limit Value for nuisance dust of 10 mg. per cubic meter of air or 30 million particles per cubic foot, whichever is the smaller

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