UNION CARBIDE

COATINGS AND PLASTICS MATERIALS

BAKELITE® VINYL SOLUTION RESIN VYHH

FOR COATINGS

PRODUCT STANDARDS

DESCRIPTION

BAKELITE VYHH is a medium-molecular weight vinyl chloride-vinyl acetate copolymer resin. It dissolves readily in ketones, esters, chlorinated hydrocarbons, and combinations of these with aromatic hydrocarbons.

APPLICATIONS

BAKELITE VYHH is recommended for general coatings use.

FOOD ADDITIVE STATUS

BAKELITE VYHH is chemically identified in Food Additive Regulations §121.2514 for Resinous and Polymeric Coatings and by reference in §121.2526 for Components of Paper and Paperboard and in § 121.2550 for Components of Closures.

Properties of

BAKELITE Vinyl Solution Resin VYHH

Properties	Test Methods	Required Values
Appearance	Visual	White powder
Size, per cent by weight, through a No. 20 USBS Sieve	WC-7-F	98, *minimum*
Heating Loss, 45 minutes at 105°C., per cent by weight	WC-160-H	3.0, maximum
Poly(vinyl chloride), per cent by weight	WC-294-B or D	85.0 - 86.5

(continued)

December, 1973
F-42808B

Solution Properties	Test Methods	Required Values
22 Per Cent Solution of Resin in 1:1 MIBK:Toluene		
Viscosity at 25°C., cps.	WC-31-W	200 - 400
Color, % transmission at 475 mμ/600 mμ	WC-5-K-2	85, minimum
Turbidity, light transmission at 600 mμ, per cent	WC-5-K-2	85, minimum
10 Per Cent Solution Resin 1:1 MIBK:Toluene		
Insoluble Matter, per cent by wet volume	WC-322-C	0.03, maximum

TESTING METHODS

Designated tests are made in accordance with current issues of ASTM or UNION CARBIDE (WC) Testing Methods. 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.

LABELING

All containers of BAKELITE Vinyl Solution Resin VYHH are plainly marked with the product nomenclature, blend number, and net weight. Shipments will be so addressed as to provide complete delivery to the purchaser.

PRECAUTIONARY LABELING

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

FOR INDUSTRY USE ONLY

F-42808B
12/73-4M

Printed in U.S.A.

UNION CARBIDE COATINGS AND ADHESIVES MATERIALS

BAKELITE® VINYL RESIN SOLUTION VYHH

FOR COATINGS

PRODUCT STANDARDS

DESCRIPTION

BAKELITE VYHH is a medium molecular weight vinyl chloride-vinyl acetate copolymer resin. It dissolves readily in ketones, esters, chlorinated hydrocarbons, and combinations of these with aromatic hydrocarbons

APPLICATIONS

BAKELITE VYHH is recommended for general coatings use.

FOOD ADDITIVE STATUS

BAKELITE VYHH is chemically identified in Food Additive Regulations §121.2514 for Resinous and Polymeric Coatings, and §121.2526 for components of Paper and Paperboard.

Properties of

BAKELITE Vinyl Resin Solution VYHH

Properties	Test Methods	Required Values
Appearance	Visual	White powder
Specific Gravity at 20/20°C.	D 792	1.36 ± 0.005
Size, through a No. 20 USBS sieve, per cent by weight	WC-7-F	98, minimum
Apparent Density, lb. per ft.^{3}	WC-2-B	30, approximate
Heating Loss, 45 minutes at 105°C., per cent by weight	WC-160-H	3.0, maximum
Poly(vinyl chloride), per cent by weight	WC-294-B or D	85.0 - 86.5
Lead, ppm.	WC-20-D or K	5, maximum

June, 1970
F-42808

(continued)

Solution Properties	Test Methods	Required Values
22 Per Cent Solution of Resin in 1:1 MIBK:Toluene		
Viscosity at 25°C., cps.	WC-31-W	200 - 400
Color, per cent transmission	WC-5-K-2	85, minimum
Turbidity	WC-5-K-2	85, minimum
10 Per Cent Solution of Resin in 1:1 MIBK:Toluene		
Insoluble Matter, per cent by volume	WC-322-C	0.03, maximum

TESTING METHODS

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UNION CARBIDE COATINGS AND PLASTICS MATERIALS

BAKELITE® VINYL RESIN SOLUTION VYHH

FOR COATINGS

PRODUCT STANDARDS

DESCRIPTION

BAKELITE VYHH is a medium-molecular weight vinyl chloride-vinyl acetate copolymer resin. It dissolves readily in ketones, esters, chlorinated hydrocarbons, and combinations of these with aromatic hydrocarbons.

APPLICATIONS

BAKELITE VYHH is recommended for general coatings use.

FOOD ADDITIVE STATUS

BAKELITE VYHH is chemically identified in Food Additive Regulations §121.2514 for Resinous and Polymeric Coatings and by reference in §121.2526 for Components of Paper and Paperboard and in § 121.2550 for Components of Closures.

Properties of

BAKELITE Vinyl Resin Solution VYHH

Properties	Test Methods	Required Values
Appearance	Visual	White powder
Size, per cent by weight, through a No. 20 USBS Sieve	WC-7-F	98, minimum
Heating Loss, 45 minutes at 105°C., per cent by weight	WC-160-H	3.0, maximum
Poly(vinyl chloride), per cent by weight	WC-294-B or D	85.0 - 86.5

(continued)

October, 1973
F-42808A

Solution Properties	Test Methods	Required Values
22 Per Cent Solution of Resin in 1:1 MIBK:Toluene		
Viscosity at 25°C., cps.	WC-31-W	200 - 400
Color, % transmission at 475 mμ/600 mμ	WC-5-K-2	85, minimum
Turbidity, light transmission at 600 mμ	WC-5-K-2	85, minimum
10 Per Cent Solution Resin 1:1 MIBK:Toluene		
Insoluble Matter, per cent by wet volume	WC-322-C	0.03, maximum

TESTING METHODS

Designated tests are made in accordance with current issues of ASTM or UNION CARBIDE (WC) Testing Methods. 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.

LABELING

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PRECAUTIONARY LABELING

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

FOR INDUSTRY USE ONLY

F-42808A
10/73-4M

Printed in U.S.A.