UNION CARBIDE

BAKELITE® VINYL ACETATE-VINYL ALCOHOL RESIN SOLUTION BA-28-18

FOR SURFACE COATINGS AND ADHESIVES

PRODUCT STANDARDS

DESCRIPTION

BAKELITE Vinyl Acetate-Vinyl Alcohol Resin Solution BA-28-18 is a medium molecular weight vinyl acetate-vinyl alcohol resin supplied at 28 per cent solids in butyl acetate. The 0.56 intrinsic viscosity resin contains 18 per cent vinyl alcohol. The resin is primarily used as a wood coating or lacquer modifier where toughness, adhesion, and gloss are major factors. High performance coatings, such as bowling alley finishes, are readily formulated using BAKELITE BA-28-18 and nitrocellulose or urethane prepolymer. The solvent system has a low order of toxicity, and is readily compatible with brushed or sprayed coating systems. The resin is also reactive with glyoxal acetals, dimethylol urea, phenolic resins, urea/formaldehyde resins, melamine/formaldehyde resins, and similar materials.

BAKELITE BA-28-18 is a superior thermoplastic bonding and laminating adhesive though its application in this area is limited by the solvent carrier.

Properties

BAKELITE Vinyl Acetate - Vinyl Alcohol Resin Solution BA-28-18

Properties	Testing Methods	Required Value
Appearance	Visual	Clear solution
Total solids, 2 hr. at 135°C., % by wt.	WC-86-B	27-29
Solution viscosity, poise Brookfield No. 4 spindle, 20°C.	WC-31-K-4	15-25
Resin Vinyl Alcohol Content, % by wt.	WC-296-B	14-19
Color	WC-5-P	300 platinum-cobalt, maximum
Flash Point, Tag open cup	ASTM D 1310	66°F.
Average Weight per gallon at 20°C.	- - -	7.87 lb.

PLAINTIFF'S EXHIBIT
UC-5302

TESTING METHODS

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.

November, 1972
F-44261

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