



UCAR VYHH Solution Vinyl Resin

Description

UCAR™ VYHH solution vinyl resin is a high molecular weight copolymer comprised of vinyl chloride and vinyl acetate. It is supplied as a powder.

Applications

Applications for UCAR VYHH solution vinyl resin include inks and overlacquers for vinyl substrates, strippable coatings, and a wide variety of clear and pigmented coatings for metal, wood, paper, film, foil, and fabric. Blends of UCAR VYHH solution vinyl resin and UCAR VMCH solution vinyl resin are used in air-dry industrial maintenance and marine coatings that can be recoated, even in cold weather.

Advantages

- Good balance of chemical resistance, solubility, film strength, and thermoplasticity
- Adhesion to PVC
- Low adhesion to metals for strippable applications
- High film strength
- Miscible with functionalized solution vinyls
- Cited in FDA regulations for use in food-contact applications

Storage and Handling

The Dow Chemical Company strongly encourages its customers to review the Material Safety Data Sheet (MSDS) on this product prior to its use. For further storage and handling information, consult Dow's brochure entitled, UCAR Solution Vinyl Resin Storage and Handling, Form. No. 322-00054.

Physical Properties⁽¹⁾

Molecular Weight, Number Average	27,000
Inherent Viscosity ASTM-D1243	0.50
Specific Gravity ASTM-D792	1.35
Glass Transition Temperature (T _g), °C	72
Solution Viscosity at 25°C. cP (30% solids in MEK)	600
Composition	
Percent vinyl chloride	86
Percent vinyl acetate	14

(1) These data are typical values and cannot be construed as specifications. For product handling and safety aspects please refer to the Material Safety Data Sheet.

**For further information contact:
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