



UCAR VAGH Solution Vinyl Resin

Description

UCAR™ VAGH solution vinyl resin is a high molecular weight, hydroxyl-functional, partially-hydrolyzed vinyl chloride / vinyl acetate resin. It is supplied as a powder.

Applications

UCAR VAGH solution vinyl resin can be used for a wide range of coatings applications, including flexible packaging, wood finishes, paper coatings, metal decorative and container coatings, industrial maintenance and marine finishes, and as a binder in magnetic tape.

Advantages

- Crosslinkable with amino resins or polyisocyanates
- Compatibility with many generic resins including alkyds, and acrylics
- High Tg imparts good sandability in vinyl/alkyd/urea wood sealers
- Resistance to water, alcohols, and aliphatic hydrocarbons
- Adhesion to vinyl, cellulosic and treated polyester and PE substrates
- Heat-sealable
- Tasteless, odorless
- 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
Hydroxyl Value	76
Hydroxyl Equivalent Weight	738
Inherent Viscosity ASTM-D1243	0.53
Specific Gravity ASTM-D792	1.39
Glass Transition Temperature (Tg), °C	79
Solution Viscosity at 25°C. cP (30% solids in MEK)	1000
Composition	
Percent vinyl chloride	90
Percent vinyl acetate	4

(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:
Customer Information Group**

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