



UCAR VMCH Solution Vinyl Resin

Description

UCAR™ VMCH solution vinyl resin is a high molecular weight carboxyl-functional terpolymer comprised of vinyl chloride, vinyl acetate, and maleic acid. It is supplied as a powder.

Applications

UCAR VMCH solution vinyl resin is used to make heat-sealable packaging coatings and adhesives, metal food can linings, and maintenance and marine coatings, as well as a wide variety of clear and pigmented inks and coatings for paper, film, foil, and fabric.

Advantages

- Highly flexible, post-formable coatings on metal coil and sheet
- Adhesion to vinyl, metals, concrete, and cellulosic substrates
- 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
Acid number	10
Inherent Viscosity ASTM-D1243	0.50
Specific Gravity ASTM-D792	1.35
Glass Transition Temperature (T _g), °C	74
Solution Viscosity at 25°C. cP (30% solids in MEK)	650
Composition	
Percent vinyl chloride	86
Percent vinyl acetate	13

(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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