



PARALOID™ B-82 (51%) Thermoplastic Solution Resin

Product Description

PARALOID B-82 is a softer, general-purpose acrylic resin. Films based on PARALOID B-82 exhibit the water-white color, durability, and retention of flexibility and chemical resistance characteristic of acrylic polymers. PARALOID B-82 resin is equal to or lower in cost than vinyl resins, ethyl cellulose, or chlorinated rubber but offers better chemical resistance and exterior durability.

PARALOID B-82 resin is supplied as a colorless transparent solution at 51% solids in toluene. A solid grade is also available.

Typical Properties

These properties are typical but do not constitute specifications.

Solids, Wt. %	51
Solvent	Toluene
Density, 25°C, lb/gal	8.3
Viscosity, 25°C, cP	4000-7000
Flash Point, °C	4 PMCC
Molecular Weight, Wt. Avg.	120,000
Solubility Parameter	9.4
Tg, °C	35
Ultimate Hardness of Clear Films, KHN	10-11
Chemical Composition	MMA/EA Copolymer

Safe Handling Information

Dow Material Safety Data Sheets (MSDS) contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Under the OSHA Hazard Communication Standard, workers must have access to and understand MSDS on all hazardous substances to which they are exposed. Thus, it is important that you provide appropriate training and information to your employees and make sure they have available to them MSDS on any hazardous products in their workplace.

The Dow Chemical Company sends MSDS on non-OSHA-hazardous as well as OSHA-hazardous products to its customers upon initial shipment (including samples). If you do not have access to one of these MSDS, please contact your local Dow representative for an additional copy.

Updated MSDS are sent upon revision to all customers of record. In addition, MSDS are sent annually to all customers receiving products deemed hazardous under the Superfund Amendments and Reauthorization Act.

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