



PARALOID™ A-21 (30%)

Thermoplastic Solution Resin

Description

PARALOID A-21 resin is a very hard methyl methacrylate type polymer with enhanced adhesion properties. It is provided as a 30% solution in a toluene/butanol system. The polymer is also available in a solid grade form. Lacquers formulated with PARALOID A-21 possess excellent intercoat adhesion, hardness, and outdoor durability. PARALOID A-21 will air-dry rapidly to give clear, colorless films that have excellent resistance to yellowing.

PARALOID A-21 resin is recommended for specification lacquers, vinyl and metal clear coatings, gravure inks and overprint varnishes, top coats for plastic, coatings for aircraft, and auto refinishing.

Typical Physical Properties

These properties are typical but do not constitute specifications.

Solids, Wt. %	30
Solvents	Toluene/Butanol 90/10
Density, 25°C, lb/gal	7.8
Viscosity, 25°C, cP	250-560
Flash Point °C	7.8 SFCC
Molecular Weight, Wt. Avg.	120,000
Solubility Parameter	9.4
Tg, °C	105 lb/gal
Ultimate Hardness of Clear Films, KHN	21-22
Chemical Composition	MMA polymer

Safe Handling Information

The Dow Chemical Company 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 a 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.

MSDS should be obtained from suppliers of other materials recommended in this bulletin.

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