



PARALOID™ B-44S 40% Thermoplastic Solution Resin

Product Description

PARALOID B-44S resin is well suited for general-purpose applications due to its balance of hardness, flexibility, and adhesion to various substrates—plastics, treated metals.

PARALOID B-44S resin is specified for PVDF coil coatings and can be blended with other PARALOID resins to adjust the balance of properties required for a particular application, such as color/base coats for metal substrates. It is supplied as a 40% solution in toluene and is also available in a solid grade (PARALOID B-44).

Typical Properties

These properties are typical but do not constitute specifications.

Solids, Wt. %	40
Solvent	Toluene
Density, 25°C, lbs./gal	8.1
Viscosity, 25°C, cP	1100 - 2000
Flash Point, °C	6.7 PMCC
Molecular Weight, Wt. Avg.	140,000
Solubility Parameter	9.4
Tg, °C	60
Ultimate Hardness of Clear Films, KHN	15 - 16
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.

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

Additional safe handling information is available from Dow representatives.

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