



Owensboro Specialty Polymers, Inc.
Chemistry that Connects, People that Care

Vinylidene Chloride Polymers

Owensboro Specialty Polymers, Inc.
5529 US 60 E.
Owensboro, KY 42303

OSP_TDS_DaratakFactSheet4_Rev.1

The information presented herein is based on the best available data and is believed to be true and accurate. Please read all statements, recommendations, or suggestions in conjunction with our conditions of sale which apply to all goods supplied by us. No responsibility for the use of these statements, recommendations, or suggestions is assumed by the supplier, nor are they intended as a recommendation for any use which would infringe any patent or copyright. The buyer bears sole responsibility for determining suitability of the product for their application.

Vinylidene Chloride Polymers

Owensboro Specialty Polymers, Inc. (OSP) offers several adhesive polymers based on polyvinylidene chloride (PVdC) and its comonomers.

PVdC-based Adhesives Exhibit Outstanding Properties

Flame retardance
Film flexibility
Water resistance
Outstanding adhesion
Grease and oil resistance
Oxygen and moisture vapor barrier
Clarity

For example, Versaflex 9 is a PVdC acrylate copolymer that adheres to vinyls, plastics, polyolefins, u.v. cured coatings and foil (rust inhibitors should be added). These emulsions exhibit outstanding emulsion stability. This allows them to be compounded with plasticizers, fillers, biocides, surfactants, rust inhibitors, etc.

OSP prides itself on its capabilities to polymerize from a wide selection of monomers. This provides us with the flexibility to product polymers with unique properties when other suppliers are unable to do so. Many of the monomers we are permitted to us are listed below.

Acrylamide	Lauryl methacrylate
Acrylic Acid	Maleic anhydride
Acrylonitrile	Methacrylamide
Butadiene	Methacrylic acid
Butyl acrylate	Methacrylonitrile
Butyleneglycol dimethacrylate	Methyl acrylate
Diethyleneglycol dimethacrylate	Methylenediphenyl diisocyanate (MDI)
Diallyl maleate	Methyl methacrylate
Dibutyl maleate	N-Methylol acrylamide
Diisobutylene	Pentaerythritol triacrylate
Dioctyl maleate	Sodium vinyl sulfonate
Ethyl acrylate	Styrene
Ethyleneglycol dimethacrylate	2-Sulfoethyl methacrylate
Ethylhexyl acrylate	Toluene diisocyanate (TDI)
Hydroxyethyl actylate	Vinyl acetate
Hydroxyethyl methacrylate	Vinylidene chloride
Laurel acrylate	

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Please call OSP if you require a special polymer or if your current polymer supplier lacks the capabilities or interest to develop the specific polymer you need. We may have an existing polymer to solve your bonding problems or we may be able to work with you to develop one.

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