

PVC

POLYVINYL CHLORIDE SUSPENSION RESIN



Westlake

Enhancing Your Life Every Day®

POLYVINYL CHLORIDE (PVC) IS THE WORLD'S THIRD MOST WIDELY USED PLASTIC

and is an attractive alternative to traditional materials such as glass, metal, wood and other plastic materials because of its versatility, durability and cost competitiveness.

In the United States, Westlake produces suspension PVC at four chemical facilities located in Aberdeen, Mississippi; Calvert City, Kentucky; Geismar, Louisiana; and Plaquemine, Louisiana. In Europe, Westlake Vinnolit produces specialty and suspension PVC resins in Burghausen, Gendorf, Cologne, Knapsack and Schkopau, Germany. In Asia, Westlake Huasu produces suspension PVC resin in Jiangsu Sheng, China.

PRODUCT OVERVIEW

PVC is a polymer manufactured from vinyl chloride monomer. It is used extensively in building and construction, automotive, and medical industries.

USES

The many properties of PVC make it ideal for a variety of applications. It is biologically and chemically resistant; it is durable and ductile; and it can be made softer and flexible by the addition of plasticizers. With downstream applications, appropriate registrations and/or approvals may be required. Possible uses for PVC are pipes, residential and commercial siding, packaging, wiring insulations, medical, automotive, and rigid and flexible compounds.

PRODUCT CERTIFICATIONS AND LISTINGS

- ▶ NSF/PPI PVC Range Composition Approval - Certain Westlake PVC products (specifically: PVC1230P, PVC1091 and PVC5385) have been tested and approved as qualified PVC resins in the Plastic Pipe Institute's (PPI) range formulation technical report "TR-2, PPI PVC Range Composition, Listing of Qualified Ingredients" (2016 edition).
- ▶ ISO 9001 Certification - The following Westlake PVC manufacturing facilities are ISO 9001 certified: Aberdeen, Mississippi; Calvert City, Kentucky; Geismar, Louisiana; and Plaquemine, Louisiana.
- ▶ Certain Westlake PVC Suspension Resin products are compliant with various international regulatory certifications. Please see our website and Product Stewardship Summary for more information.

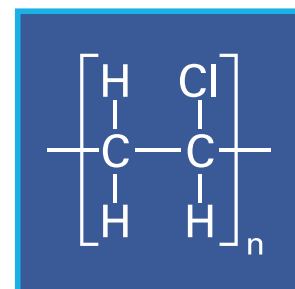
PVC SUSPENSION RESIN

CAS Number: 9002-86-2

Synonyms: Chloroethylene Homopolymer;
Chloroethylene Polymer;
Polyvinyl Chloride Resin; PVC Resin

Description: At ordinary temperatures and pressures, PVC Suspension Resin is a solid white powder with no odor.

Refer to the Safety Data Sheet (SDS) for additional information and before handling this material.



Chemical Structure

Westlake U.S. suspension PVC resins:

Westlake PVC Grade	Inherent Viscosity	"K" Value	Bulk Density (g/cc)	Application
2060	0.60	53	0.53	High flow injection and blow molded products
1185	0.68	56	0.53	Blow molded bottles, injection molded fittings
5265 2070	0.68 0.69	57	0.51 0.53	Injection and blow molded products, extruded sheet, bottles, fittings
1195	0.73	58	0.53	Blow molded bottles, injection molded fittings
5305 2079	0.73 0.79	59 61	0.52 0.53	Extruded or calendered sheet, foam, or rigid profile products
2082	0.82	62	0.53	Extruded or calendered sheet, foam, or flexible profile products
1230P	0.89	65	0.56	Pipe, tube, and conduit products
1230S	0.90	66	0.56	Siding, window, fence, and door products
1091 5385	0.90	65	0.54	Pipe, siding, window, door, and fence lineal products
2095 5395 2100 5415 2110	0.95 0.95 1.01 1.02 1.09	68 68 70 70 74	0.50 0.48 0.48 0.48 0.48	Extruded or calendered sheet, blown film, wire & cable, or flexible products



A PVC resin portfolio with the technical service to meet your needs

WESTLAKE'S PVC BUSINESS OFFERS THE CUSTOMIZED ATTENTION OF A SPECIALIZED SUPPLIER WITH THE BREADTH AND CAPACITY TO HANDLE YOUR VOLUME REQUIREMENTS.

Why Westlake PVC?

- ▶ With over 60 years of responsible production and handling experience, Westlake manufactures PVC with environmental and public safety consideration in mind
- ▶ Capacity to produce over 6 billion pounds per year of suspension PVC globally
- ▶ Geographical diversity and integration as Westlake produces suspension PVC at four production facilities in the United States (Aberdeen, Mississippi; Calvert City, Kentucky; Geismar, Louisiana; and Plaquemine, Louisiana), at various locations in Germany and in China
- ▶ Broad portfolio of low, mid and high molecular weight PVC resins
- ▶ Top-level expertise to assist you with all your sales, customer service, product development, and troubleshooting needs
- ▶ Access to our Technical Service Center for on-site testing and evaluation

Westlake's technical service team at our Technical Service Center located in Plaquemine, LA, is ready to assist our customers in optimizing processing conditions. Our Technical Service Center capabilities include:

- ▶ Single screw and twin screw extrusion
- ▶ Injection molding
- ▶ Roll milling
- ▶ Full-scale analytical, characterization, and physical property laboratory testing



Sustainability Initiatives

Westlake is a proud partner with the following organizations to drive sustainable action:



Westlake

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Contact us today to learn more about our products and capabilities, or to schedule a visit to our Customer Service and Technical Service Centers.

Westlake Corporation

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