Westlake has PVC resin manufacturing facilities in Calvert City, KY and Geismar, LA. The PVC plants benefit from vertical integration as the primary raw material, vinyl chloride monomer (VCM) is produced at another Westlake plant nearby in both cases.
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.
PVC is produced in powder form and then combined with other ingredients to create a compound with specific processing and end-use properties. Westlake manufactures Polyvinyl Chloride (PVC) resins with molecular weights ranging from 0.68 IV to 0.92 IV. These resins are used for applications such as extrusion, calendaring, injection-molding or blow molding to fabricate end products such as bottles and appliance parts, as well as for the pipe, siding and profile markets.
PVC is often used in infrastructure development and building products. In this market, Westlake is an integrated manufacturer of PVC pipe. Other end uses include pipe fittings, vinyl sidings, bottles, flexible and rigid film and sheeting used for packaging, credit cards and wall coverings.

Polyvinyl Chloride (PVC)

Resins

Grade	Inherent Viscosity	"K" Value	Bulk Density	Application
1185B	0.68	57.0	0.53	Blow Molded Bottles, Injection Molded Fittings
1195B	0.73	58.0	0.53	Blow Molded Bottles, Injection Molded Fittings
1230P	0.89	65.0	0.56	Pipe, tube and conduit
1230S	0.90	65.0	0.56	Siding, window and door

Other Information

Westlake PVC
230 Johnson Riley Road
Calvert City, KY 42029
Plant Capacity: 1.1 billion pounds annually
For more information:
Contact- PVC Customer Service at (888) 277-3212

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WESTLAKE PVC CORPORATION

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HOUSTON, TX 77056

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1185

Westlake PVC 1185 PVC resin is a low molecular weight resin with excellent clarity designed for applications such as blow molding or where high plasticizer uptake is required. The excellent heat stability, clarity, cleanliness and uniformity of this product make it well suited for a broad range of applications.

Suggested Applications

Westlake PVC 1185 PVC resin is typically used in production of bottles, highly plasticized and injection molded products.

TYPICAL PROPERTIES

Appearance (Visual Observation)	Free Flowing White Powder
K-value	56
Inherent Viscosity (ASTM D5225)	0.68
Relative Viscosity	1.85
Volatiles (% maximum)	0.2
Bulk Density (g/cc) (ASTM D1895)	0.53
Particle Size (ASTM D1921)	
Through 40 mesh (% minimum)	99.9
Through 200 mesh (% maximum)	7.0
ASTM Cell Classification (ASTM D1755)	GP1-16050

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1195

Westlake PVC 1195 PVC resin is a low molecular weight resin designed for rigid injection molding, calendering, sheet extrusion, and blow molding.

Suggested Applications

Westlake PVC 1195 PVC resin is well suited for a broad range of applications. Typical applications include pipe fittings and other injection molded products, calendered film and sheet, extruded sheet, bottles, and plasticized applications.

TYPICAL PROPERTIES

Appearance (Visual Observation)	Free Flowing White Powder
K-value	58
Inherent Viscosity (ASTM D5225)	0.73
Relative Viscosity	1.90
Volatiles (% maximum)	0.2
Bulk Density (g/cc) (ASTM D1895)	0.53
Particle Size (ASTM D1921)	
Through 40 mesh (% minimum)	99.9
Through 200 mesh (% maximum)	7.0
ASTM Cell Classification (ASTM D1755)	GP2-16050

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1230P

Westlake PVC 1230P PVC resin is a general purpose, medium molecular weight homopolymer designed primarily for the extrusion of rigid PVC products. The resin has a closely controlled particle size distribution and uniform porosity which results in excellent blending characteristics. The 1230P exhibits good heat stability and good bulk density characteristics which makes this particular Westlake PVC especially suitable for the production of rigid pipe and extrusion profiles..

Suggested Applications

Westlake PVC 1230P PVC resin is typically used in rigid PVC compounds which can be processed through both single and multi-screw extrusion of pipe and conduit.

TYPICAL PROPERTIES

Appearance (Visual Observation)	Free Flowing White Powder
K-value (0.5 gm/100ml Cyclohexanone @25°C)	65
Inherent Viscosity (ASTM D5225)	0.89
Relative Viscosity (1.0% in Cyclohexanone @25°C)	2.17
Bulk Density (g/cc) (ASTM D1895)	0.56
Volatiles (% Maximum)	0.30
Particle Size (ASTM D1921)	
Through 40 mesh (% minimum)	99.0
Through 200 mesh (% maximum)	4.0
ASTM Cell Classification	GP3-16040

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1230S

Westlake PVC 1230S PVC resin is a medium molecular weight homopolymer designed primarily for the extrusion of rigid products. The resin has a closely controlled particle size, structure and uniform porosity which results in excellent blending properties. The 1230S PVC exhibits good heat stability and high bulk density characteristics which makes this particular Westlake PVC especially suitable for the production of rigid profiles.

Suggested Applications

Westlake PVC 1230S PVC resin is typically used in rigid PVC compounds which can be processed through the modern high output, multi-screw extruders to produce siding, window, fence and door profiles.

TYPICAL PROPERTIES

Appearance (Visual Observation)	Free Flowing White Powder
K-value (0.5 gm/100ml Cyclohexanone @25°C)	66
Inherent Viscosity (ASTM D5225)	0.90
Relative Viscosity (1.0% in Cyclohexanone @25°C)	2.20
Bulk Density (g/cc) (ASTM D1895)	0.56
Volatiles (%) (Maximum)	0.30
Particle Size (ASTM D1921)	
Through 40 mesh (% minimum)	99.0
Through 200 mesh (% maximum)	4.0
ASTM Cell Classification (ASTM D1755)	GP4-16040
CAS Number	9002-86-2

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