

LG PVC **LS080S**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS080S, homopolymer made by suspension polymerization, can be applied to hard or semi-hard products.

Main Applications

Hard sheets, films, fittings, injection molded products, bottles, innoxious films, innoxious containers, and food packaging.

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	61
Degree of Polymerization	ASTM D1243	-	30 °C	800 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.59 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
ISO 14001:2004 0008-1996-AE-SEO-RvA
OHSAS 18001:1999 0015-2000-HSO-SEO-DNV (rev.1)

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LG PVC **LS100**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS100 is a general-purpose product used for soft and hard products and is most widely used in PVC grade.

Main Applications

Pipe, power cable jacket, leather, sheets, hoses, soft/hard sheets, wrapping film and innocuous film.

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	66
Degree of Polymerization	ASTM D1243	-	30 °C	1,000 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.56 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

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LG PVC **LS100E**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS100E, homopolymer by mass polymerization, can be applied to various applications, such as semi rigid and rigid products.

Main Applications

Pipe, profiles, sash

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	67
Degree of Polymerization	ASTM D1243	-	30 °C	1,040 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.56 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
ISO 14001:2004 0008-1996-AE-SEO-RvA
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LG PVC **LS100H**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS100H, homopolymer made by suspension polymerization, can be applied to rigid products.

Main Applications

Pipe, profiles, sash

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	67
Degree of Polymerization	ASTM D1243	-	30 °C	1,060 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.59 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
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LG PVC **LS100S**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS100S, homopolymer made by suspension polymerization, can be applied to soft or semi-hard products. Products made from LS100S have excellent surface, bright color and transparency properties.

Main Applications

High transparency soft/hard sheet, hoses, wrapping film and innocuous film.

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	66
Degree of Polymerization	ASTM D1243	-	30 °C	1,030 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.54 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

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LG PVC **LS130S**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS130S, homopolymer made by suspension polymerization, is mainly used in PVC wire extrusion and calender processing, well known for giving clean surfaces and bright color to the finished goods. It can be applied to high quality products.

Main Applications

Heat resistant power cable jacket, film, leather, sheets and hoses.

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	71
Degree of Polymerization	ASTM D1243	-	30 °C	1,290 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.52 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
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LG PVC **LS170**

Suspension Resin



Product Information

www.chemwide.com

Updated : Mar. 2013

General Description

LS170, homopolymer made by suspension polymerization, is applied for value added products such as matted sheeting, super heat resistant wire, high pressure hose, packing and gaskets for industrial supplies. It is used to enhance the mechanical property of the final good.

Main Applications

Highly rigid heat-resistant power cable jacket, film, leather and sheet

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	76
Degree of Polymerization	ASTM D1243	-	30 °C	1,650 ± 50
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.50 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
ISO 14001:2004 0008-1996-AE-SEO-RvA
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Product Information

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Updated : Mar. 2013

General Description

LS300, a homopolymer made by suspension polymerization, is applied for value added special products such as matted sheeting, super heat resistant wire, high pressure hose, packing and gasket for industrial supplies. It enhances the mechanical property of the final goods, and other high value added properties.

Main Applications

Super heat-resistant power cable jacket and special gaskets of high elasticity and softness.

Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	DIN 53726	-	-	84
Degree of Polymerization	ASTM D1243	-	30 °C	2,600 ± 100
Particle Size	ASTM D1921	%	45 Mesh pass	99.8
Apparent Bulk Density	ASTM D1895	g/cm ³	-	0.47 ± 0.04
Specific Gravity	ASTM D792	-	23 °C	1.4
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 0.3

Packaging

Paper bag(25kg), Jumbo bag

Certificate Numbers

ISO 9001:2000 00048-1997-AQ-SEO-RvA (rev.1)
ISO 14001:2004 0008-1996-AE-SEO-RvA
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