

POLYMERS

SABIC[®] PVC 59S

Suspension Polyvinyl Chloride for Rigid Products

PRODUCT DESCRIPTION:

PVC 59S is a free flowing vinyl chloride homopolymer resin having low molecular weight. It is manufactured by suspension polymerization. PVC 59S has following properties that make it suitable for rigid PVC applications:

- Low content of fines (Easy handling and conveying)
- Narrow particle size distribution (Easy processing)
- Moderate melt viscosity (Easy processing even in injection molding)
- High tensile properties (Good end product performance)

CHARACTERISTICS:

PVC 59S is designed to give an easy processing product for rigid applications since it has low melt viscosity. It is mainly designed for injection molding and thin wall extrusion products but can be easily used for other applications such as foamed rigid sheets....

TYPICAL APPLICATIONS:

- Injection molding: Rigid articles like pipe fittings
- Extrusion: Rigid compact and foamed sheets and films
- Calendaring: Rigid sheets and films

TYPICAL DATA:

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
K-VALUE	-	59	DIN 53726
Apparent Bulk Density	kg/m ³	580	ASTM-D 1895
Particle Size distribution			
• Retained on mesh 60 (250 μm)	% max	5	
• Passing through mesh 200 (74 μm)	% max	10	SABIC (PVC 003)
Volatile Content	% max	0.3	ASTM-D 3030

(1) Typical values; not to be construed as specification limits.

PACKING & STORAGE:

PVC 59S is delivered in 25 kg bags. PVC resin should be stored in a manner to prevent a direct exposure to sunlight. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change and inadequate product performance. It is advisable to process PVC resin within 6 months after delivery.

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NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any immunity against infringement.

POLYMERS

SABIC® PVC 67S

Suspension Polyvinyl Chloride for Rigid Extruded Products

PRODUCT DESCRIPTION:

PVC 67S is designed to give an easy processing product for rigid extrusion applications. It is manufactured by suspension polymerization.

PVC 67S has following properties that makes it suitable for rigid PVC extrusion with high production rates:

- Very low dust-level (Easy handling and conveying)
- High bulk density (Good material compaction and high production rates)
- Narrow particle size distribution (Easy processing)
- High melt strength (Good for fast processes like pipe and profile extrusions)
- High tensile properties (Good end product performance)

CHARACTERISTICS:

PVC 67S is designed to give an easy processing product for extrusion rigid applications since it has moderate melt viscosity with high melt strength. It is mainly designed for pipe and profile products.

TYPICAL APPLICATIONS:

- Rigid pipes (Pressure and non-pressure)
- Corrugated tubes and conduits
- Rigid profiles

TYPICAL DATA:

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
K-VALUE	-	67	DIN 53726
Apparent Bulk Density	kg/m ³	570	ASTM-D 1895
Particle Size distribution			
• Retained on mesh 60 (250 µm)	% max	15	SABIC (PVC 003)
• Passing through mesh 200 (74 µm)	% max	4	
Volatile Content	% max	0.3	ASTM-D 3030

(1) Typical values; not to be construed as specification limits.

PACKING & STORAGE:

PVC 67S is delivered in 25 kg bags. PVC resin should be stored in a manner to prevent a direct exposure to sunlight. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change and inadequate product performance. It is advisable to process PVC resin within 6 months after delivery.

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POLYMERS

SABIC[®] PVC 70S

Suspension Polyvinyl Chloride for Flexible Products

PRODUCT DESCRIPTION:

PVC 70S is a free flowing vinyl chloride homopolymer resin having high molecular weight. It is manufactured by suspension polymerization. PVC 70S has following properties that make it suitable for plasticized PVC processing:

- High porosity (Excellent plasticizer absorption)
- Low content of fines (Easy handling and conveying)
- Good di-electrical properties (Good electrical insulation properties)
- Good transparency and low gels content (Good for transparent applications)

CHARACTERISTICS

PVC 70S is designed to give an easy processing product for flexible applications since it has the ability to fast absorb substantial quantities of plasticizers. It is a high molecular weight resin and therefore, presents good end products 'mechanical properties.

TYPICAL APPLICATIONS:

Extrusion:

- Cable sheathing and wire insulation
- Flexible films and sheets
- Flexible profiles
- Hoses
- Flexible articles like shoe soles

Calendering:

- Flexible sheets and films

TYPICAL DATA:

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
K-VALUE	-	70	DIN 53726
Apparent Bulk Density	kg/m ³	510	ASTM-D 1895
Particle Size Distribution			
• Retained on mesh 60 (250 μm)	% max	3	SABIC (PVC 003)
• Passing through mesh 200 (74 μm)	% max	6	
Volatile Content	% max	0.3	ASTM-D 3030
Porosity (DOP)	cc/g	0.33	SABIC (PVC 006)

(1) Typical values; not to be construed as specification limits.

PACKING & STORAGE:

PVC 70S is delivered in 25 kg bags. PVC resin should be stored in a manner to prevent a direct exposure to sunlight. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change and inadequate product performance. It is advisable to process PVC resin within 6 months after delivery.

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