

SABIC® SPVC 70S

SUSPENSION POLYVINYL CHLORIDE FOR FLEXIBLE APPLICATIONS

DESCRIPTION

SABIC® PVC 70S is a free flowing vinyl chloride homopolymer resin having high molecular weight. It is manufactured by suspension polymerization.

TYPICAL APPLICATIONS

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 mechanical properties. The main applications are:

Extrusion : Wire insulation and cable jacketing , Flexible films and sheets , Flexible profiles , Hoses

Injection molding : Shoe soles , Flexible PVC parts Calendering , Flexible films and sheets

TYPICAL PROPERTY VALUES

Revision 20210609

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
K-Value	70	-	ASTM D1243
Apparent Bulk Density ⁽¹⁾	510	kg/m³	ASTM D1895
Particle Size distribution			
Retained on mesh 60 (250 µ) ⁽¹⁾	≤3	%	SABIC method
Passing through mesh 200 (74 µ)	≤6	%	SABIC method
Porosity (DOP)	0.32	cc/g	ASTM D3367
Volatile Content			
-	≤0.3	%	ASTM D3030

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

CHARACTERISTICS

SABIC® PVC 70S has properties that makes it suitable for plasticized PVC, excellent plasticizer absorption, high purity, low content of fines, easy handling and conveying, good electrical properties. SABIC® PVC 70S is designed to give an easy-processing product for flexible applications.

STORAGE AND HANDLING

PVC resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not 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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