



# 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 |
|--|----------------|-------------------|--------------|
| <b>POLYMER PROPERTIES</b>                  |                |                   |              |
| K-Value                                    | 70             | -                 | ASTM D1243   |
| Apparent Bulk Density <sup>(1)</sup>       | 510            | kg/m <sup>3</sup> | ASTM D1895   |
| <b>Particle Size distribution</b>          |                |                   |              |
| Retained on mesh 60 (250 μ) <sup>(1)</sup> | ≤3             | %                 | SABIC method |
| Passing through mesh 200 (74 μ)            | ≤6             | %                 | SABIC method |
| Porosity (DOP)                             | 0.32           | cc/g              | ASTM D3367   |
| <b>Volatile Content</b>                    |                |                   |              |
| -  | ≤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.

### DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.