

SABIC® SPVC 80S

SUSPENSION POLYVINYL CHLORIDE FOR FLEXIBLE APPLICATIONS

DESCRIPTION

SABIC® PVC 80S is a free flowing vinyl chloride homopolymer resin having ultrahigh molecular weight. It provides excellent mechanical properties. It is manufactured by suspension polymerization.

TYPICAL APPLICATIONS

PVC 80S provides excellent mechanical properties. An can be used for specialty applications in

Hoses

Water proofing

Cable Jacketing and Insulation

Sheets

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
K-Value	80	-	ASTM D1243
Apparent Bulk Density ⁽¹⁾	480	kg/m ³	ASTM D1895
Particle Size distribution			
Retained on mesh 60 (250 μ) ⁽¹⁾	≤5	%	SABIC method
Passing through mesh 200 (74 μ)	≤6	%	SABIC method
Porosity (DOP)	0.34	cc/g	ASTM D3367

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

CHARACTERISTICS

SABIC® PVC 80S 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 80S is designed to give an easy-processing product for flexible applications along with excellent mechanical properties.

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.