

PVC

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General Description

Type: Polyvinyl Chloride homopolymer resin made by microsuspension process
Appearance: White fluffy powder



Features

- * High molecular weight dispersion resin
- * Excellent mechanical properties

Main uses

- Conveyor belting
- Leather cloth
- Wallpaper and flooring
- Laced table cloth
- Dip, Slush and Rotational moulding for toys, boots, etc.
- Other Plastisol applications

Typical Properties	BIS Standard 17658-2021 P Grade 5	Typical Value*	Test Procedures
K-Value	≥ 75 to ≤ 78	77	ISO 1628-2
Inherent Viscosity	1.16 to 1.25	1.20	ASTM D 1243
Volatile Loss, % max	0.5	0.27	ASTM D 3030
BFV, Pa-s (max)+	15	3.3	ASTM D 1824
Residual Vinyl Chloride Monomer (RVCM) (ppm)	< 2	0.4	IS 10151
Severs Viscosity, Poise (max -300) ++		124	ASTM D 1823

Confirms to IS 17658 : 2021

* Not to be used in the manufacture of SUP items prohibited under PWM Rules 2016

+ Brook Field Viscometer LV model, spindle no. 4, RPM 60, aging 2 hours at 23°C

++ Burrell Severs Rheometer, orifice length 50 mm, diameter 3.17 mm, shear stress 100 psi

The above information represents the average of a range of measurements. It is believed to be reliable and is given in good faith but without warranty. It is recommended that the user satisfies himself on the aspects of full-scale testing and end product performance.

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