

PVC

123

General Description

Type: Polyvinyl Chloride homopolymer resin
made by microsuspension process

Appearance: White fluffy powder

Features

- * Low molecular weight dispersion resin
- * Fast gelling
- * Low temperature processing

Main uses

- Leather cloth
- Wallpaper
- Low temperature foaming material
- Blending in calendared or extruded rigid films



Typical Properties	BIS Standard 17658-2021 Grade 1	Typical Value*	Test Procedures
K-Value	< 64	61	ISO 1628-2
Inherent Viscosity	< 0.82	0.81	ASTM D 1243
Volatile Loss, % max	0.5	0.26	ASTM D 3030
BFV, Pa-s (max)+	5	3.7	ASTM D 1824
Residual Vinyl Chloride Monomer (RVCM) (ppm)	< 2	0.6	IS 10151
Severs Viscosity, Poise (max -300) ++		112	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 6, 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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