

VICIR S450

Description

VICIR S450 is an ultra low molecular weight polyvinyl chloride homopolymer, manufactured by a suspension polymerisation process. It is medium porous polymer, with high bulk density, easy processing characteristics and high fluidity.

Typical values

Property	Value*	Unit	Test Method
K-value	50	-	ISO 1628-2
Bulk density	0.590	g/cm ³	ISO 60
Size Analysis			ISO 13320-1
> 250µm	≤ 3	%	
< 63µm	≤ 4	%	
Volatile content	≤ 0.3	%	ISO 1269
Plasticizer absorption	18.5	%	ISO 4608
Residual Vinyl Chloride	< 1	ppm	ISO 24538

* Data obtained on representative samples of this grade. These values are typical, for guidance only and must not be used as a basis for specifications.

Applications

VICIR S450 is recommended for the manufacture of rigid products produced by injection moulding, calendaring and extrusion such as fittings, small pieces (e.g. electric devices), technical films, sheets and profiles.

It can be used alone or more generally blended with higher K-value suspension PVC resins, for applications where faster gelation and improved melt flow are requested.

Shipping

In general, shipping of the resin is done in bulk. Most common bulk transport modes are silotricks and pressurized containers for rail and sea transport.

VICIR S450 is available in 25 kg multi-ply paper bags as well as in flexible containers (FIBC's) of ca. 750 or 1000 kg.

Storage

The resin must be stored in a dry area under moderate temperature conditions (maximum 30 °C) and avoid direct UV light exposure.

Safety

For information on the safety precautions please refer to our safety data sheet (SDS) of VICIR S-PVC. The SDS can be sent on request.