Technical Datasheet

HIGH MOLECULAR WEIGHT PVC

VICIR S2000

VICIR S2000 is a very high molecular weight polyvinyl chloride grade, manufactured by a suspension polymerisation process. It is a highly porous polymer with a very good plasticizer absorption, easy processing characteristics, high thermal stability, good electrical properties and low fish-eyes level.

Typical values

Property	Value*	Unit	Test Method
K-value	80	-	ISO 1628-2
Bulk density	0.450	g/cm^3	ISO 60
Size Analysis			ISO 13320-1
> 250µm	≤ 2.5	%	
< 63µm	≤ 4	%	
Volatile content	≤ 0.3	%	ISO 1269
Plasticizer absorption	38	%	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 S2000 is recommended for a range of clear and opaque flexible products by extrusion, injection moulding and calendering where high mechanical properties and high flexibility are required. It is suitable for cable insulation, cabling for the automotive industry and for other areas for which abrasion, very high fatigue resistance and long term heat stability at high temperatures are important. It is also suitable for gaskets with a low compression set.

Shipping

In general, shipping of the resin is done in bulk.
Most common bulk transport modes are silotrucks and pressurized containers for rail and sea transport.
VICIR S2000 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 ºC) 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.

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