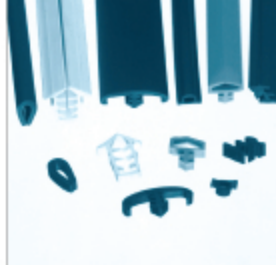




VICIR S 1300



Description

VICIR S 1300 is a vinyl chloride homopolymer produced by the suspension polymerization process.

Applications

VICIR S 1300 is recommended for the manufacture of plasticized products, such as flexible extruded tubes, calendered and injection moulded transparent articles.

Due to its dielectrical properties, it is specially recommended for insulating and sheathing wires and electrical cables.

VICIR S 1300 is recommended for the manufacture of flexible products whenever excellent physical-mechanical properties are required, as it is the case with footwear goods.

VICIR S 1300 is suitable for food contact products.

Properties

VICIR S 1300 is a high molecular weight resin, with medium bulk density and very narrow particle size distribution.

This resin being a highly porous polymer, it has a very high plasticiser absorption due to the specific area of its grains, which allow for good dry-mixing and free-flowing properties.

VICIR S 1300 is excellent concerning fish-eyes level and has good electrical properties.

Due to its good gelation characteristics and high intrinsic thermal stability, the end products display a good initial colour and transparency.

TYPICAL VALUES

Property	Unit	Reference Method	Value
Inherent Viscosity	-	ASTM D 1243	1.02-1.06
K Value	-	DIN 53 726	71-73
Bulk Density	g/cm ³	ASTM D 1895	0.44-0.52
Particle Size Distribution	-	CIRES 03.03 ⁽¹⁾	
D > 250 µm	%		Max. 5.0
D < 63 µm	%		Max. 4.0
Volatile Matters	%	CIRES 03.05 ⁽²⁾	Max. 0.3

Remarks: (1) Determination by laser diffraction.
(2) 1 hour, 100°C.

