



POLYVINYL CHLORIDE

VICIR S 700

Producer: Cires / Portugal

Description: **VICIR S 700** is a vinyl chloride homopolymer produced by the suspension polymerization process.

Applications: **VICIR S 700** is recommended for the manufacture of transparent or opaque rigid products, such as blow moulded bottles, calendered or extruded sheeting, extruded profiles and injection moulded articles.

This resin is particularly suitable for glass-clear product such as transparent sheeting for thermoforming purposes, bottles or other decorative items and food packaging.

VICIR S 700 is suitable for food contact product.

Properties: **VICIR S 700** powder is a low-medium molecular weight resin, with high bulk density, very low fish-eyes level, good intrinsic thermal stability and very good gelation properties.

VICIR S 700 is recommended for the manufacture of various easy processing product requiring a good initial colour or excellent transparency.

A narrow particle size distribution and a regular shape of the grains allow for good free-flowing properties.

Due to its molecular weight it gives additional stress cracking resistance to the end product.

PROPERTY	UNIT	REFERENCE METHOD	VALUE *
K value	-	ISO 1628-2	ca.58
Bulk Density	g/cm ³	ISO 60	ca.0.56
Particle Size Distribution		ISO 13320-1	
<i>D</i> > 250 μ m	%		Max. 5
<i>D</i> < 63 μ m	%		Max. 3
Volatile Matters	%	ISO 1269	Max. 0.3
Residual Monomer	ppm	ASTM D 3749	Max. 1

* The values indicated typify the means obtained from quality control, based on large number of individual results, with a statistical distribution within the normal production tolerances.

Packaging, Distribution and Storage:

VICIR S 700 is available in 25 kg multi-ply paper bags as well as in flexible containers (FIBC's) of ca. 750 or 1000 kg and bulk road tankers. The product should be transported and stored in a dry environment at normal climate.