



PB 1702 FC

Type:

PB 1702 FC is a high K-value PVC homopolymer resin obtained by microsuspension polymerisation and used for the preparation of plastisols in food contact applications⁽¹⁾.

Main uses:

- * Coating: coated fabrics (conveyor belts),
- * Crown seals.

LACOVYL® PB 1702 FC is a **food-approved⁽¹⁾** resin with a **high K-value** (enhanced mechanical properties), **highly fluid**, with **good thermal stability**.

General characteristics:

PB 1702 FC is a very low viscosity resin specially recommended for lightly plasticised applications or highly filled formulations.

	ISO reference	Value	Units
Viscosity Index	(ISO 1628-2)	167	ml/g
K-value	(ISO 1628-2)	79.5	
Humidity	(ISO 1269)	< 0.25	%
Rheological behaviour	Pseudoplastic		
Plasticiser range	30 phr ← → 70 phr		

Properties:

Résin

The high degree of fineness of PB 1702 FC resin allows coatings in extremely thin films without producing defects.

Plastisols

The low viscosity of PB 1702 FC resin allows the production of plastisols that are highly filled or very lightly plasticised.

The pseudoplastic behaviour of plastisols prepared with PB 1702 FC allows its use for applications demanding high shear processing: thin coatings at high speed.

This pseudoplasticity also allows storage of highly filled formulations without major risk of settlement.

Compact coatings

PB 1702 FC resin has high thermal stability (short and long term) notably allowing gelation of thick articles requiring high temperatures and long times in the oven.

The high K-value of PB 1702 FC also allows the production of articles having very good mechanical properties.

⁽¹⁾ Food contact

PB 1702 FC resin complies with European and American regulations (FDA).

Food contact warranty can be obtained by request to the sales network.

Packaging and storage:

PB 1702 FC resin is packed in bags of 25 kg, stacked and wrapped on pallets.

It can also be delivered in bulk.

The resin must be stored in a dry place away from all heat sources, direct or indirect.

The recommended storage time for this resin is 18 months maximum.

For information on the precautions for the use of PB 1702 FC resin, please refer to the Safety Data Sheet for this product.

General Information:

Further processing information and recommendations can be obtained from our Technical Service department or our representatives.

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