



PB 1202

Type:

PB 1202 is a medium K-value PVC homopolymer resin obtained by microsuspension polymerisation for use in the preparation of plastisols.

Main uses:

- * Coating: floor and wall coverings, coated fabrics, coil-coating,
- * Rotary moulding,
- * Dipping,
- * Crown seals.

LACOVYL® PB 1202 resin can be used for both compact and cellular applications.

General characteristics:

PB 1202 is a very low viscosity resin specially recommended for lightly (or very lightly) plasticised applications or those using high filler content formulations.

	ISO Reference	Value	Units
Viscosity index	(ISO 1628-2)	110	ml/g
K-value	(ISO 1628-2)	67	
Humidity	(ISO 1269)	< 0.25	%
Rheological behaviour	Pseudoplastic		
Plasticiser range	30 phr ←————→ 70 phr		

Properties:

Resin

PB 1202 is a very fine resin allowing coating in extremely thin films without defects.

Plastisols

The pseudoplastic behaviour of plastisols prepared with PB 1202 makes the resin suitable for applications demanding high shear processing: small thickness coatings at high speed.

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

Compact coatings

PB 1202 resin has very good acceptance of fillers and easy gelation in heated drum use. Gelation occurs without sticking to the drum even with very high filler content formulations.

The medium K-value of the resin allows semi-brilliant to brilliant coatings to be obtained.

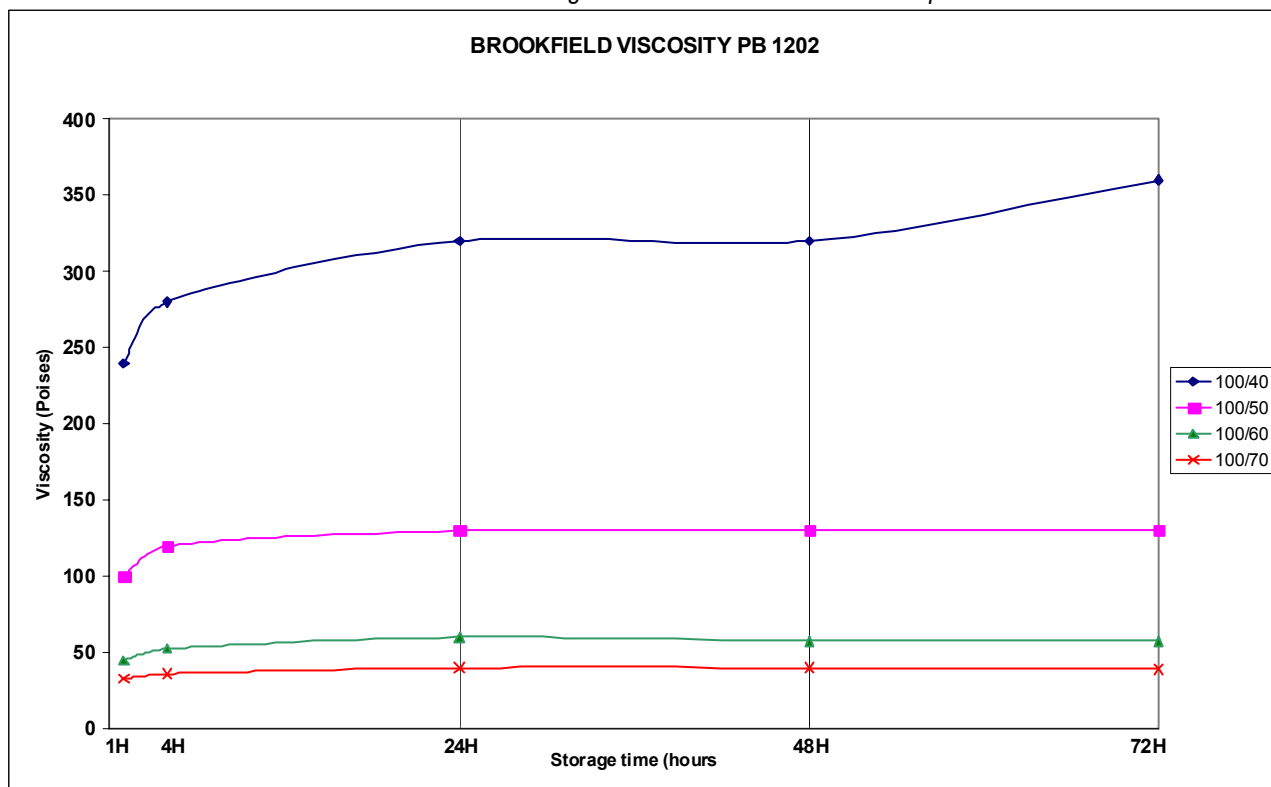
Cellular coatings

PB 1202 resin shows a very good compromise for rheology, whiteness and cellular quality.

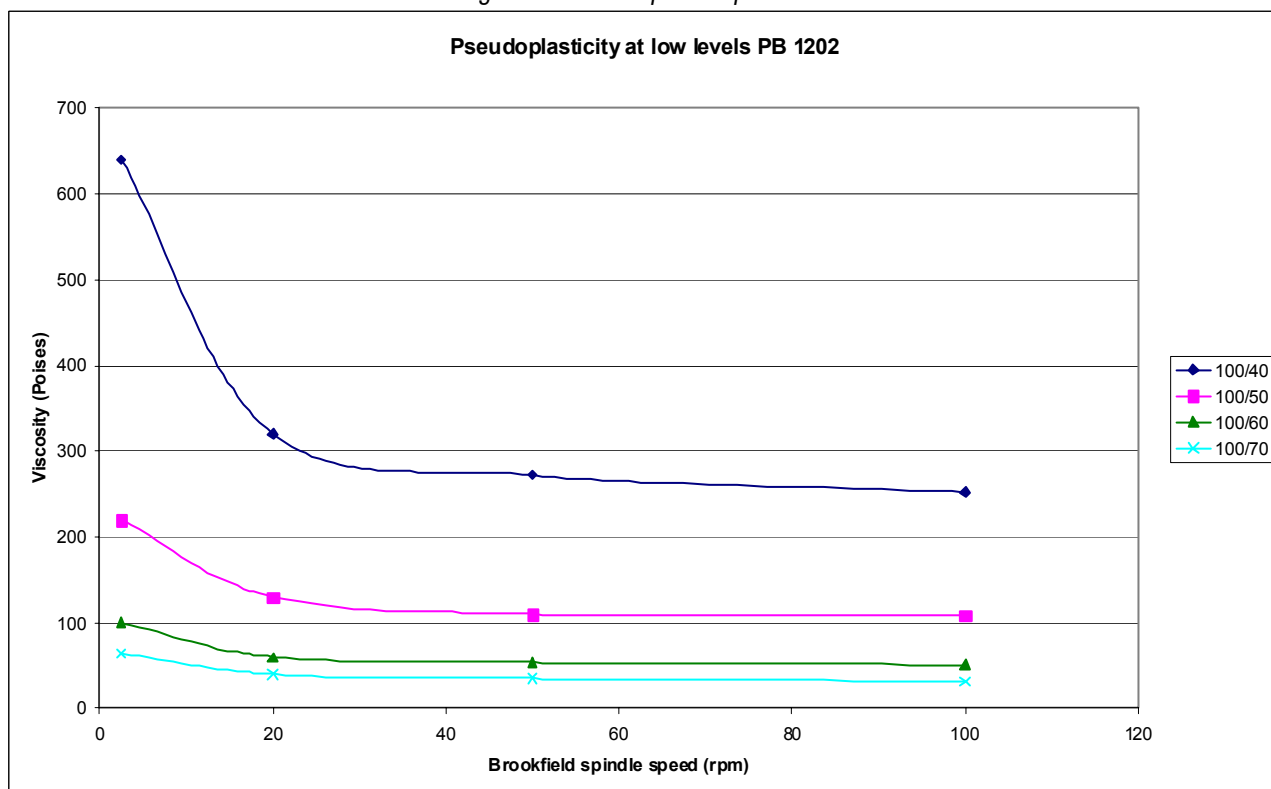
This resin can therefore be recommended for cellular fabric coatings with a low plasticiser content or for coatings on wallpaper.

Rheological properties (in DOP):

Low shear level readings: Brookfield viscosimeter at 20 rpm

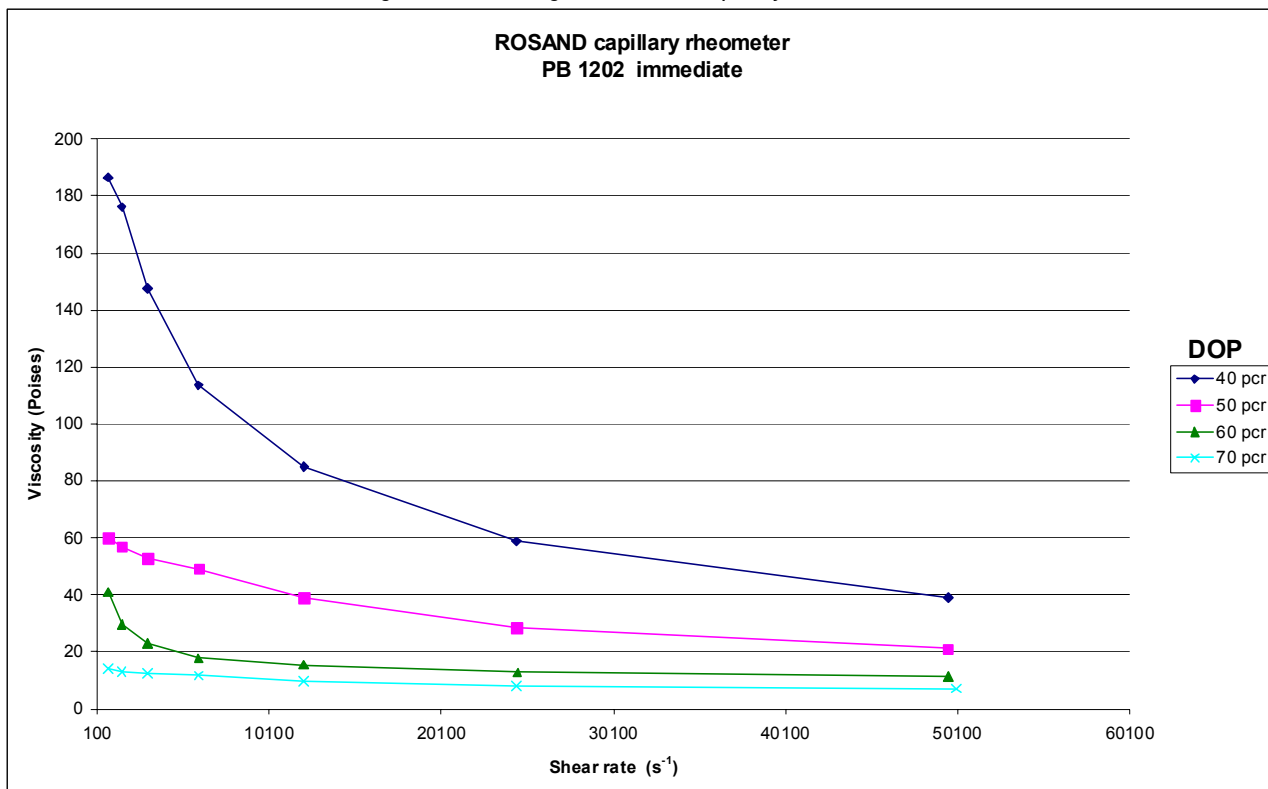


Viscosity after 24 rest-time and according to Brookfield spindle speed of rotation



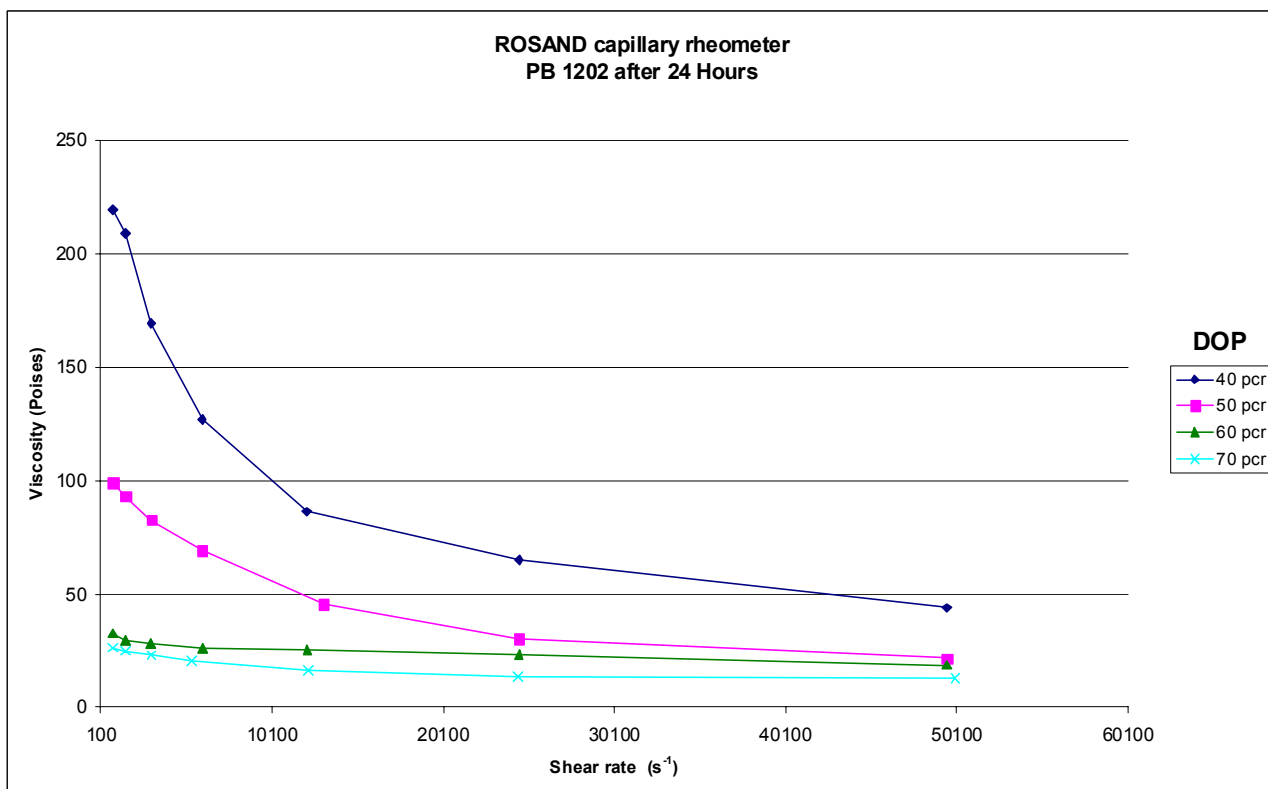
Ageing: the plastisols were stored at 23°C and 50% relative humidity. The four curves correspond to four different plasticisation levels

High-shear readings: ROSAND capillary viscosimeter



The PB 1202 resin exhibited pseudoplastic behaviour.

The same capillary viscosity readings after 24 hours rest-time at 23°C et 50% relative humidity gave the following results:



The PB 1202 resin still showed pronounced pseudoplasticity after 24 hours rest time of the plastisol.

Packaging and storage:

PB 1202 resin is packed in 25 kg bags, packed 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 1202 resin, please refer to the product's safety information sheet.

General Information:

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

Réf.	Edition n°	Date
BU PVC	08.01	04/2008

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