



PB 1156

Type:

PB 1156 is a medium K-value PVC homopolymer resin obtained by microsuspension polymerisation for use in the preparation of plastisols.

Main uses:

- *Coatings: floor and wall coverings, coated fabrics,
- * Rotary moulding,
- * Crown seals,
- * Spraying.

LACOVYL® PB 1156 is a medium viscosity resin normally used for medium plasticised cellular applications necessitating a very high level of whiteness and excellent cellular quality.

General characteristics:

	ISO Reference	Value	Units
Viscosity index	(ISO 1628-2)	110	ml/g
K-value	(ISO 1628-2)	66	
Humidity	(ISO 1269)	< 0.25	%
Rheological behaviour	Pseudoplastic		
Plasticiser Range	45 phr ← → 90 phr		

Properties:

Resin

PB 1156 is a very fine resin allowing coating in extremely thin films without defects.

Plastisols

The pseudoplastic behaviour of plastisols prepared with PB 1156 makes the resin suitable for applications demanding high shear processing: small thickness coatings at high speed.

Cellular coatings

PB 1156 resin has been developed to obtain the best compromise for:

rheology, whiteness and cellular quality

The use of PB 1156 resin allows the production of very good quality foams (homogeneous cellular structure and high whiteness index) whilst keeping the plastisol to medium viscosity.

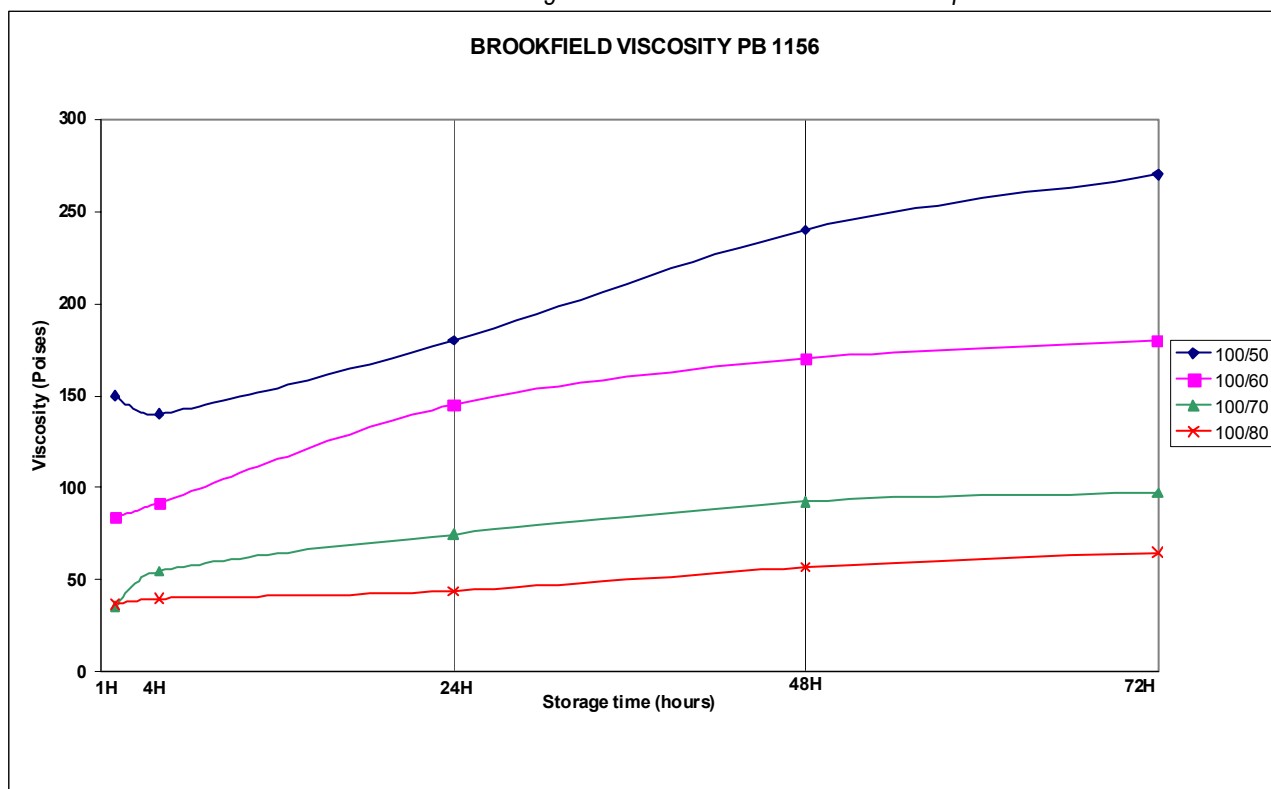
This resin allows the required relief to be obtained thanks to its good response to inhibition.

Compact coatings

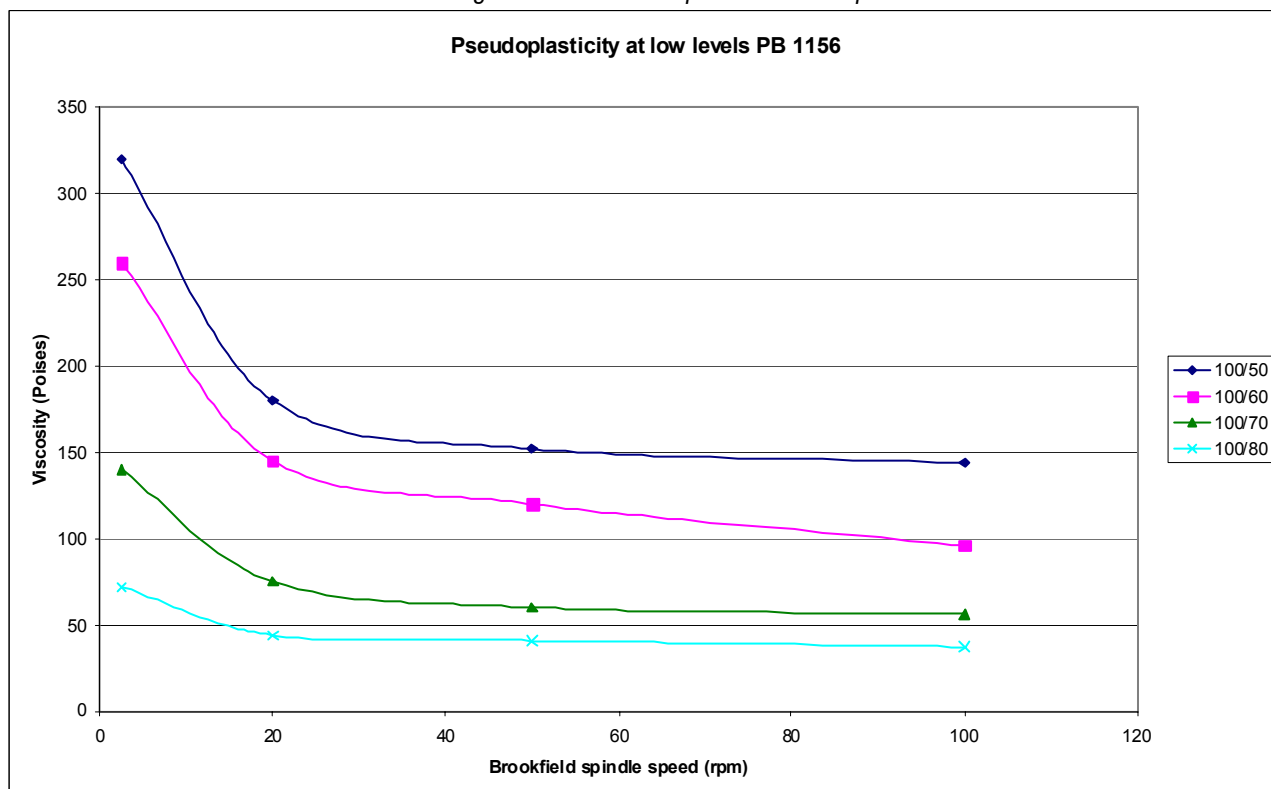
PB 1156 can also be used for moderately plastified compact applications due to its air releasing aptitude and good thermal stability.

Rheological Properties (in DOP):

Low shear level readings: BROOKFIELD viscosimètre at 20 rpm

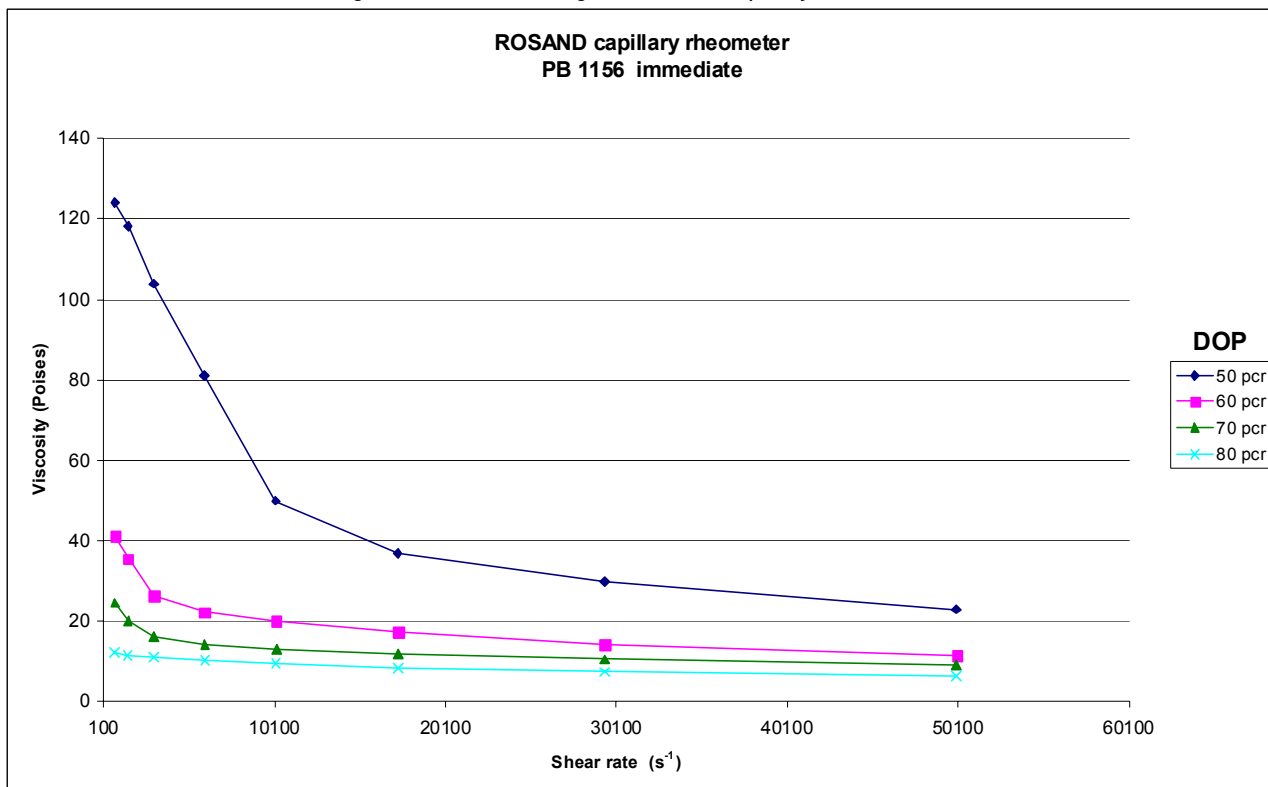


Viscosity after 24 hours rest-time
According to the Brookfield spindle rotation speed



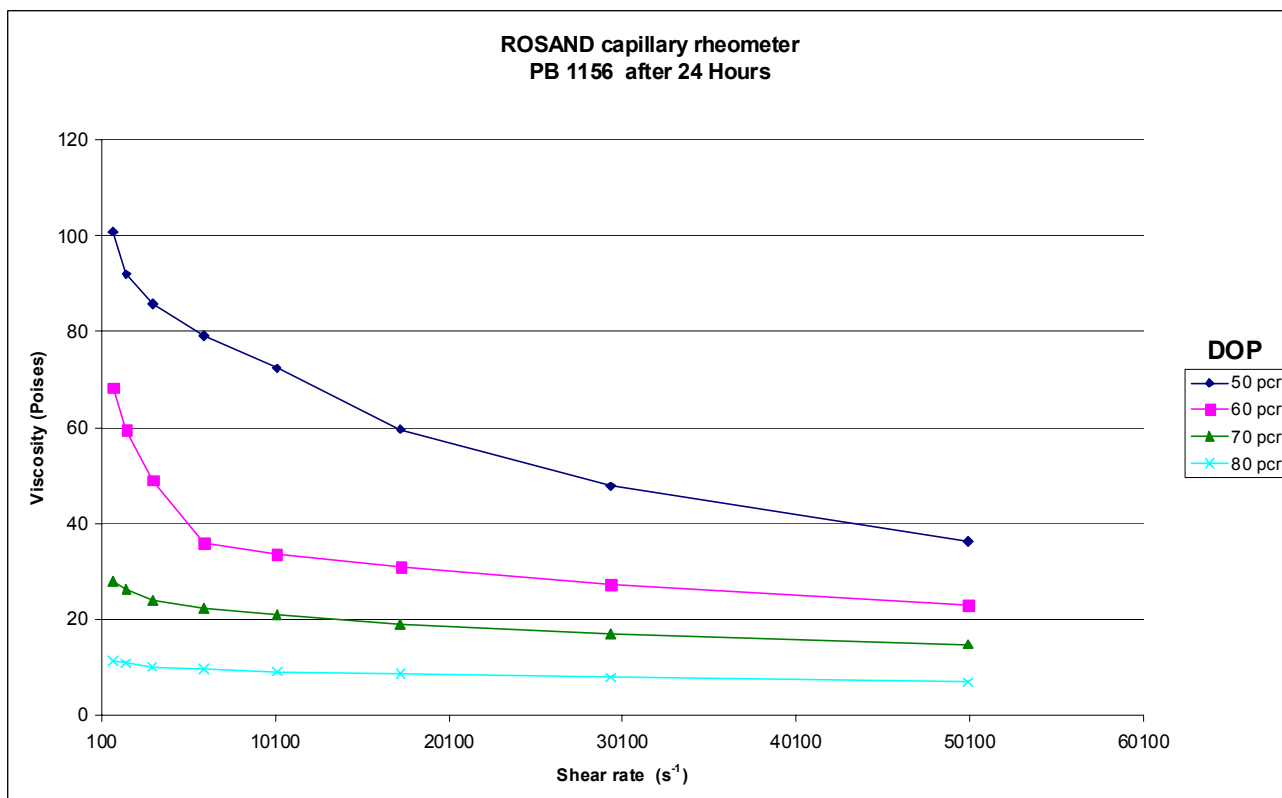
Ageing: the plastisols were stored at 23°C and 50% relative humidity. The four curves correspond to four different plasticisation levels.

High shear level readings: ROSAND capillary viscosimeter



The PB 1156 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 1156 resin still showed pronounced pseudoplasticity after 24 hours rest time of the plastisol.

Packaging and storage:

PB 1156 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 1156 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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