

Technical datasheet

Type :

Lacovyl® PE1311H is a medium molecular weight homopolymer polyvinyl chloride. It is produced by KEM ONE emulsion polymerisation process and used to prepare plastisol pastes.

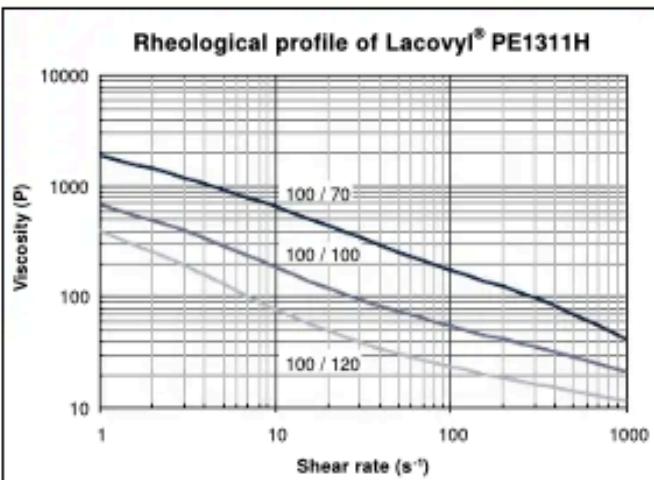
Main uses :

APPLICATION	COMPACT	FOAM
Flooring	■	■■
Wallcovering	■	■■
Coated Fabric	■■	■■
UBS	■■	
Cap sealant		
Dipping	■	
Rotational moulding		

■■ Recommended application

■ Possible application

Viscosity curves:



Viscosity measurements of plastisols with 70, 100 and 120 phr DINP by rotational rheometer after 2 h at 23°C ageing.

General characteristics :

Lacovyl® PE1311H gives a **very viscous plastisol** with a **very pseudoplastic behaviour**, suitable for **highly plastised formulations**. PE1311H can be used in **both compact and foam applications**, and it can be added in a formulation to adjust the rheological profile of a plastisol or to obtain very **soft coatings**. PE1311H is the choice resin for applications such as **automotive under-body sealants (UBS)** and **thick foams**. Its excellent **fogging** characteristics make it suitable for automotive fabric coating.

CHARACTERISTIC	VALUE	METHOD
K-Value	70	ISO 1628-2
Viscosity number	125 ml/g	ISO 1628-2
Apparent bulk density	0.4 g/cm ³	ISO 60
Moisture content	< 0,25 %	ISO 1269
pH (Aqueous extract)	10	ISO 1060-2
Fineness (North Gauge)	120 µm	EN ISO 1524
Fogging (100 °C/16hr)	< 0.5 mg/10 g	EN ISO 75201
Viscosity* at 5 s ⁻¹ (Equivalent Brookfield 20 rpm)	292 P or 29,2 Pa.s	EN ISO 3219
Viscosity* at 250 s ⁻¹	37 P or 3,7 Pa.s	EN ISO 3219

* viscosity measured with a mixture of PVC 100 / DINP 100 after 2 h of ageing at 23°C

Properties :

Résin

Lacovyl® PE1311H is a very fine particle size resin that can be used for very thin coatings.