Product information
VESTOLIT® B 7021 Ultra

Polyvinyl chloride for paste processing

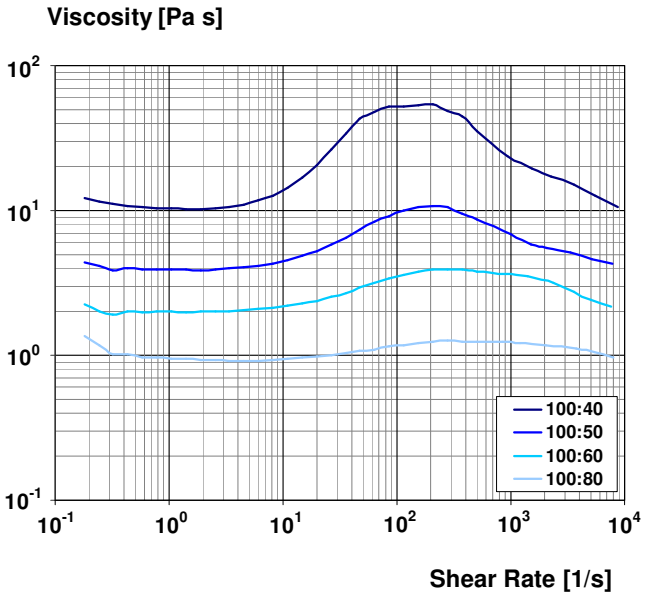
VESTOLIT B 7021 Ultra is a paste-forming micro-S-PVC homopolymer which is suitable for producing low viscosity pastes with almost Newtonian flow.

The properties of B 7021 Ultra, enable it to be used universally for compact and foamed coatings of any kind as well as for dip coating and casting processes.

Application	Solid	Foam
Coated fabrics	●	●
Floor coverings	●	●
Wallpapers, wall coverings	❍	❍
Canvas coating	❍	
Unsupported layers, films	●	●
Dipping, casting	●	❍
Spray coating	●	❍

● recommended ❍ feasible

B 7021 Ultra/DINP-Ratio



Viscosity as a function of the shear rate for various PVC/plasticiser ratios, measured in a rotary viscometer at 25 °C after 24 h ageing.

Property	Method	Unit	Value 1)
K value	DIN EN ISO 1628-2	-	70
Viscosity number	DIN EN ISO 1628-2	cm³/g	125
Apparent bulk density	DIN EN ISO 60	g/cm³	0.3
Sieve analysis - retained on 0.063 mm sieve	DIN EN ISO 1624	%	< 1
Water content according to K. Fischer	DIN 53 715	%	≤ 0.3
pH value of the aqueous extract	DIN EN ISO 1264	-	8
Paste viscosity 1.5 /s		Pa s	1.8
Paste viscosity 45 /s		Pa s	2.2

1) The figures quoted above are typical values, and do not form part of the specification.
100 parts PVC, 60 parts DINP - measured in a rotary viscometer with a defined shear gap at 25 °C after ageing for 2 hours.

VESTOLIT B 7021 Ultra may be used whenever low viscosity, good storage stability and low moisture absorption are called for. The product is particularly well suited for rotational moulding, dipping and casting processes. In coatings, it has the added benefits of trouble-free handling in contact fusion (e.g. drum gelling of glass-fibre mats). For mechanical foams, B 7021 Ultra may also be processed using both soap-based and silicon-based foam stabilizers.