Welcome
to our Webinar

We will start shortly!

orbia Polymer Solutions

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Precision in every Particle:
Unlocking MicroSuspension–PVC Innovation

November 20, 2025

Precision in every Particle

Agenda

- About Orbia Polymer Solutions (Vestolit)
- Our updated Paste PVC Portfolio
- Details on recently Developed Products
  - VESTOLIT® M 124
  - VESTOLIT® B 7042
  - VESTOLIT® B 7242
  - VESTOLIT® M 121
  - VESTOLIT® XC 866
- Q&A

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Leading Positions Across All Business Groups

orbia

Polymer Solutions

#1 Global specialty PVC producer[1]

#6 Global general PVC producer[2]

vestolit

alphagary

Advantaged player in PVC and specialty PVC, serving infrastructure, health and well-being and other industries.

Building & Infrastructure

#1 in Europe[3]

wavin

Leading global provider of innovative water management solutions for resilient construction.

Precision Agriculture

#1 Globally[3]

NETAFIM™

Global market leader in precision irrigation and other solutions that enable the world's farmers to grow more with less.

Connectivity Solutions

#1 in the U.S.[4]

dura-line

Market leader in data network solutions, including conduit and accessories designed to bring connectivity to all.

Fluor & Energy Materials

#1 Global fluorspar producer[5]

Koura

Largest global fluorspar provider for fluorine-based products with applications from medicine to refrigeration to energy storage.

1. IHS Markit (PVC – Capacity to produce by Process). 2. IHS Markit (PVC – Capacity to produce by Shareholder) 3. Company estimates
4. Dun & Bradstreet interview with Data Communications sales teams & experts (Mar 2022). 5. Roskill Fluorspar 2020-2030 Outlook Report (2021)

Global Footprint

9
Production Sites (7 for PVC)

12
Production Plants

3
R&D Labs

>80
Countries served

~2,650
Employees

VESTOLIT®

MicroSuspension-PVC Portfolio

UPDATED MicroSuspension-PVC Product Portfolio

Product Name	K-Value	Viscosity	Features
VESTOLIT® B 6021 Ultra	60	low, newtonian	good fusion and foaming properties at low temperatures
VESTOLIT® B 6512	65	medium, pseudoplastic	excellent foaming properties in both semi-rigid and rigid formulations
VESTOLIT® B 7021 Ultra	70	low, newtonian	multi purpose product
VESTOLIT® P 1430 K70 Ultra	70	low, slightly pseudoplastic	advantageous in compact applications
VESTOLIT® B 7521 Ultra	75	low, newtonian	suitable for plasticizer poor applications
VESTOLIT® P 1415 K80 Ultra	80	low, newtonian	particularly advantageous for compact applications and in mechanical foams
VESTOLIT® P 1430 K90 Ultra	90	low, newtonian	for use in low plasticizer pastes for matt, transparent topcoats, especially in flooring applications

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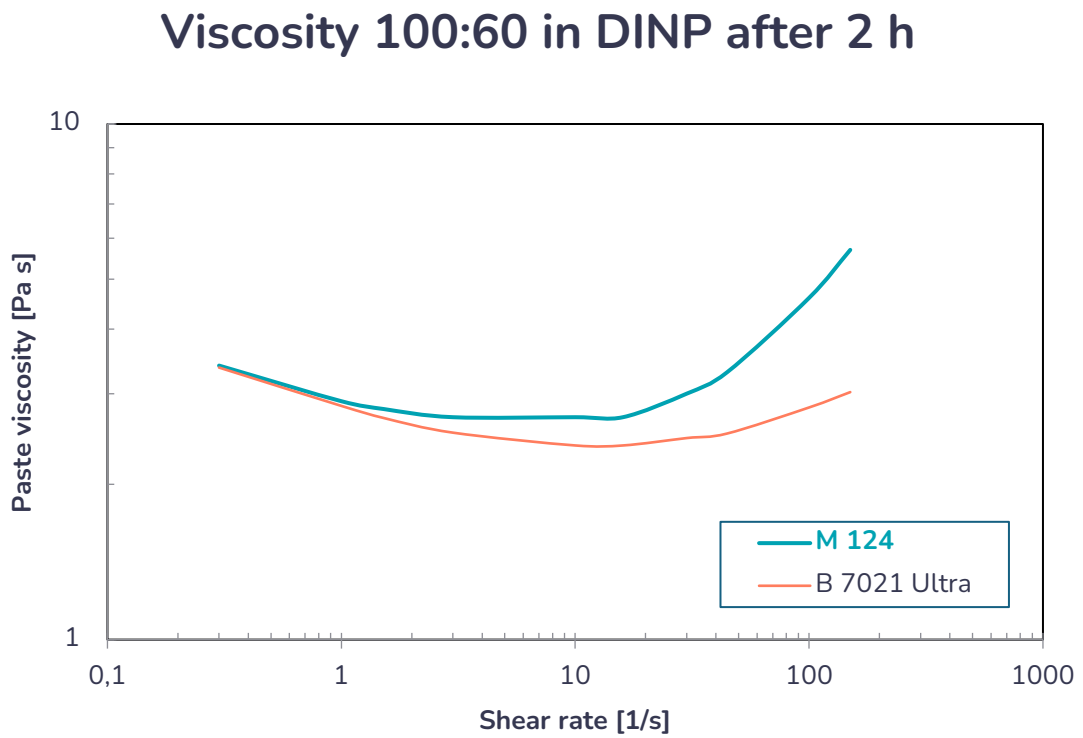
New MicroSuspension-PVC VESTOLIT® M 124

General Properties

- **Low molecular weight**
  - good gelling
  - Excellent foaming
  - Excellent hot embossing
- **Low viscosity**
  - Reduced usage of viscosity depressant
  - High filler acceptance
- **FDA-Approval**



New MicroSuspension-PVC: **VESTOLIT® M 124**

Flooring

Excellent Foaming Properties

- In high to medium density foams
- Rapid foaming
- Excellent chemical embossing
- White foams

Flooring

Excellent Foaming Properties

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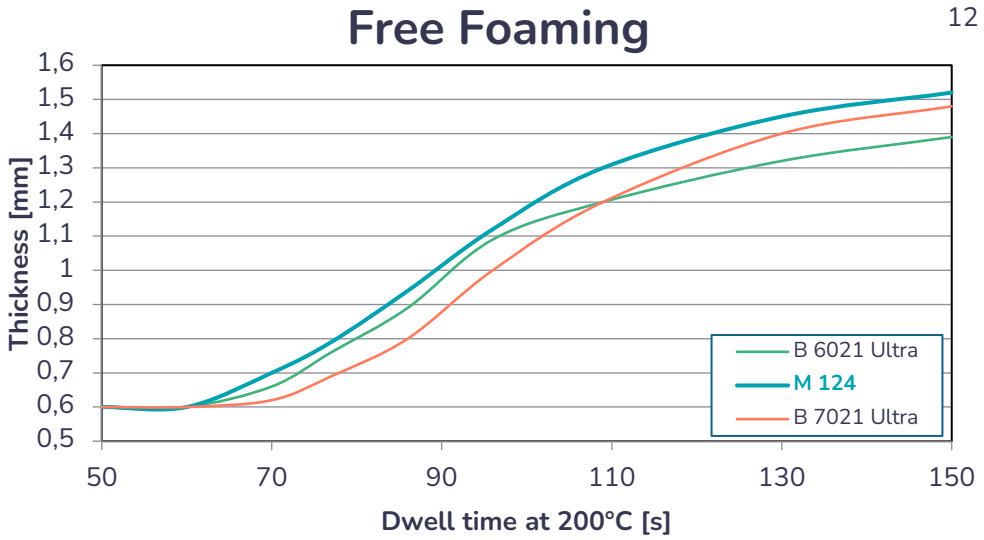
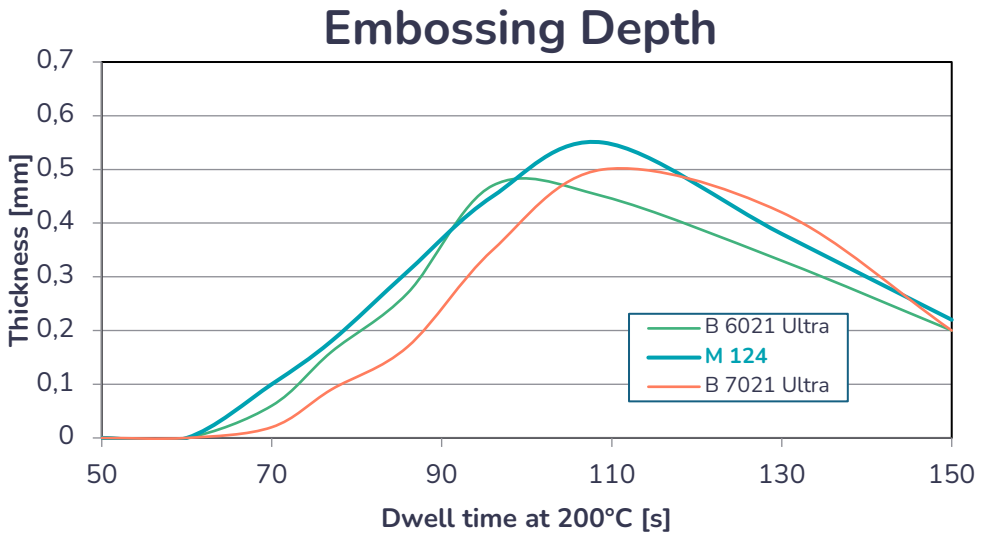
VESTOLIT® B 6021 Ultra

VESTOLIT® B 7021 Ultra

VESTOLIT® M 124

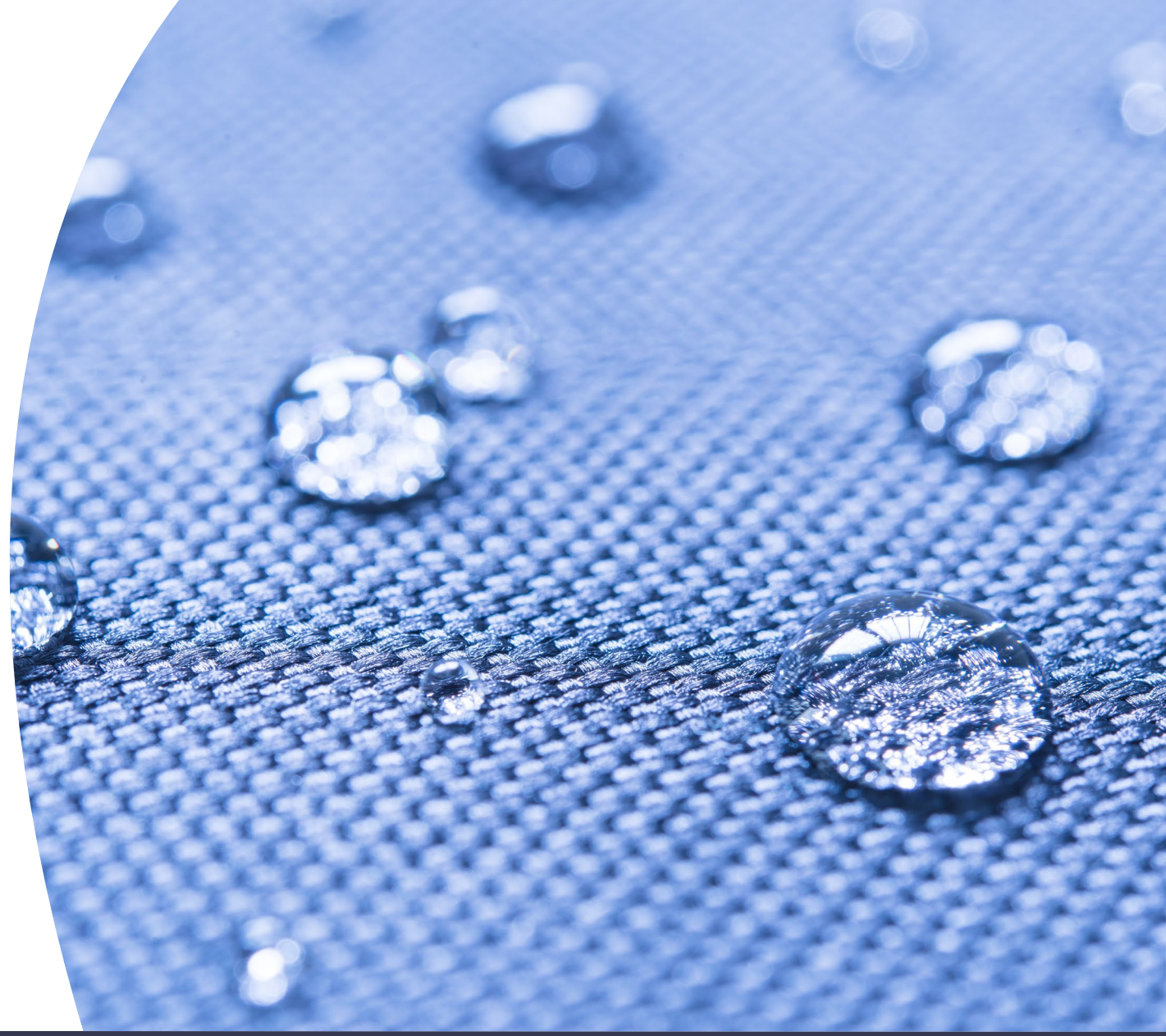




New MicroSuspension-PVC: **VESTOLIT® M 124**

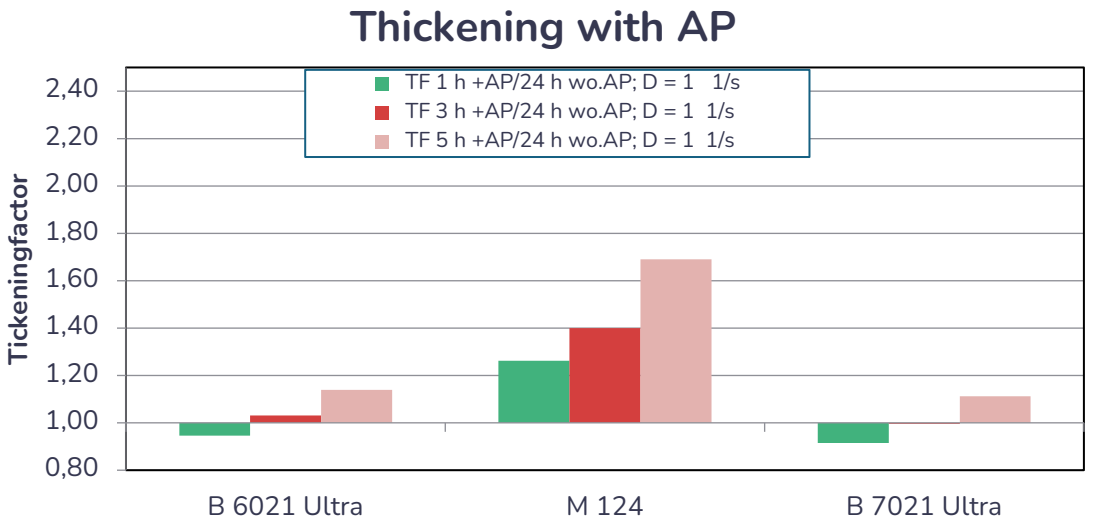
Textile Coating

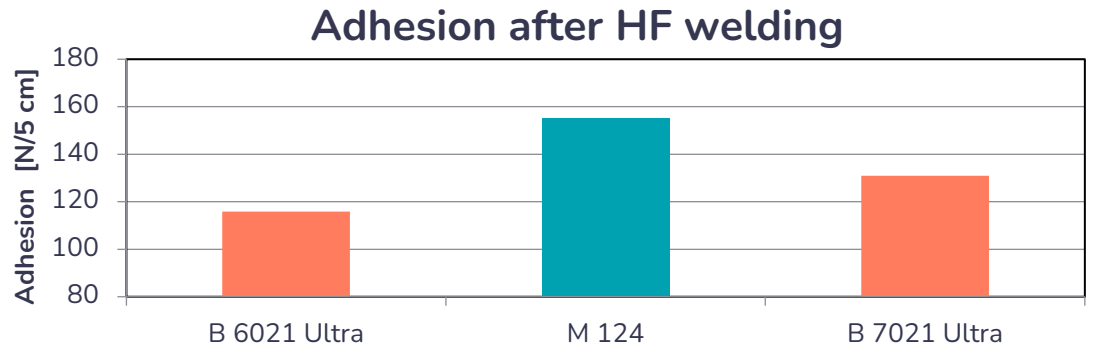
- **Low viscosity** gives flexibility in formulating regarding
  - Reduced usage of viscosity depressant
  - High filler acceptance
- **Good pot-life**
- **Good fusing**
- **Excellent adhesion**



Textile Coating

- **Low viscosity**
  - Good storage stability
  - good pot-life
- **Good fusing**
- **Excellent adhesion**





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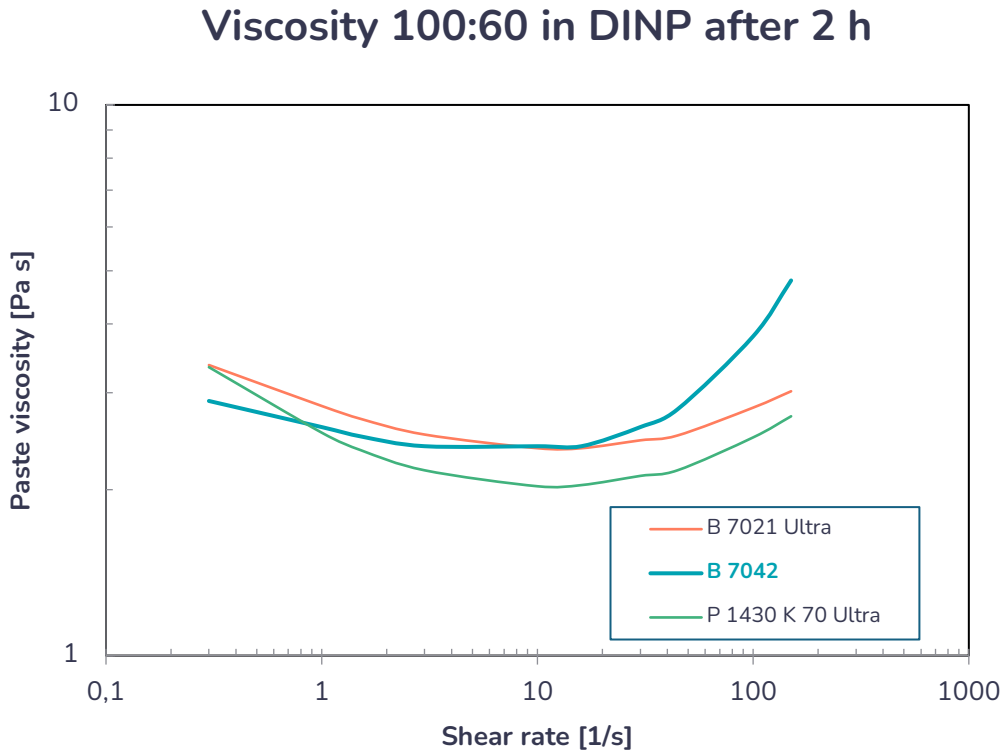
New MicroSuspension-PVC VESTOLIT® B 7042

General Properties

- Medium molecular weight
- Low viscosity
- Good foaming
- FDA-Approval



New MicroSuspension-PVC: **VESTOLIT® B 7042**

Flooring

- **Low viscosity** gives flexibility in formulating regarding
  - Reduced usage of viscosity depressant
  - High filler acceptance
- **Excellent storage stability**
- **Excellent gelling drum behavior**
  - wide processing window
    - ➢ Efficient processing

Flooring

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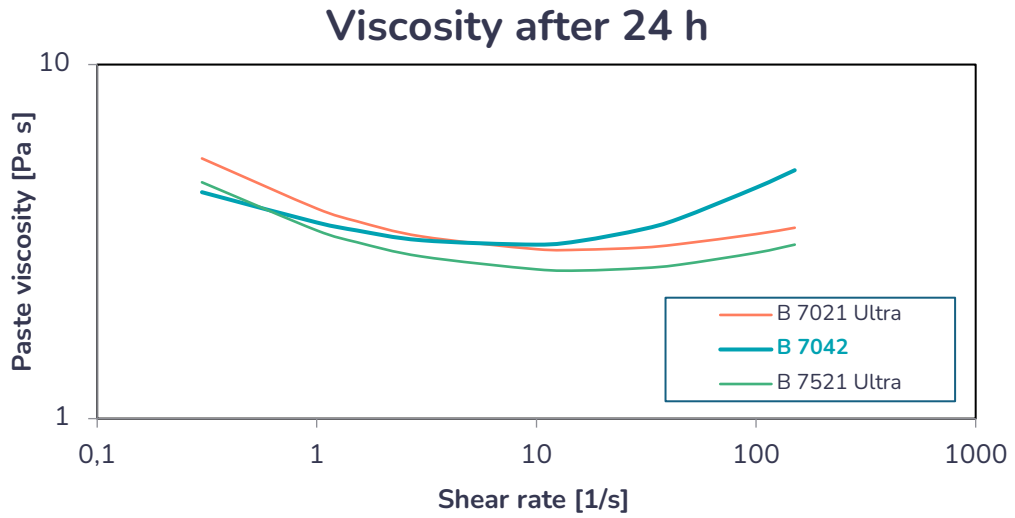


Sticking / Adhesion behavior on the gelling drum

Drum Surface Temperature	120°C 248°F	130°C 266°F	140°C 284°F	150 °C 302°F	160°C 320°F	170°C 338°F
VESTOLIT® B 7021 Ultra						
VESTOLIT® B 7042						
VESTOLIT® M 121						
VESTOLIT® B 7521 Ultra						

No Adhesions | Slight Adhesions | Sticking on Drum

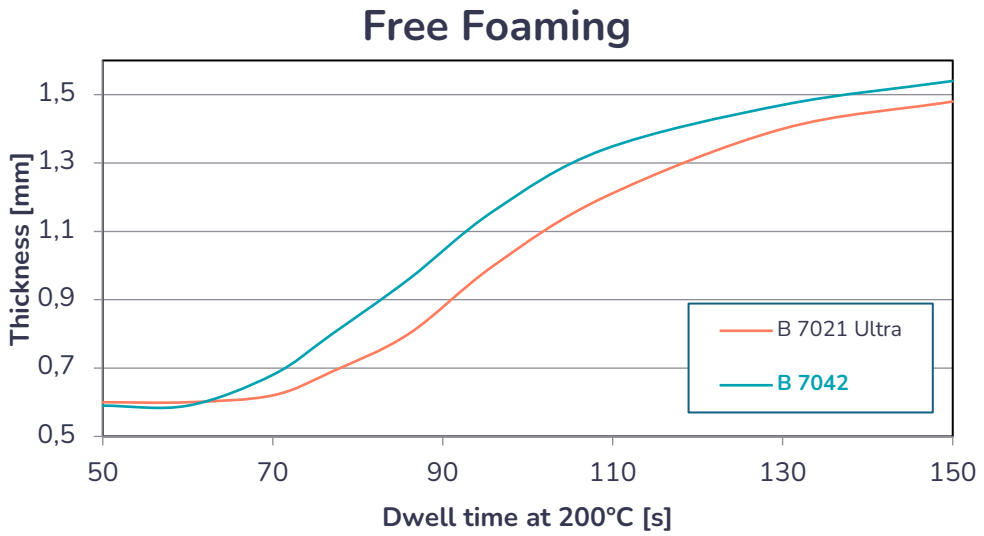
Flooring

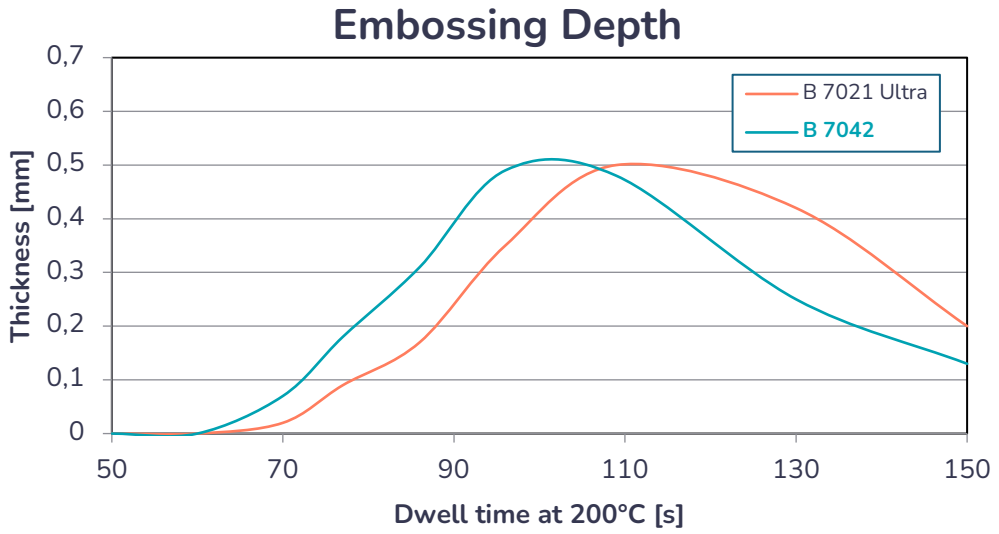
Good Foaming Properties

- In high to medium density foams
- Rapid foaming
- Excellent chemical embossing

VESTOLIT® B 7021 Ultra

VESTOLIT® B 7042





New MicroSuspension-PVC: **VESTOLIT® B 7042**

Artificial Leather

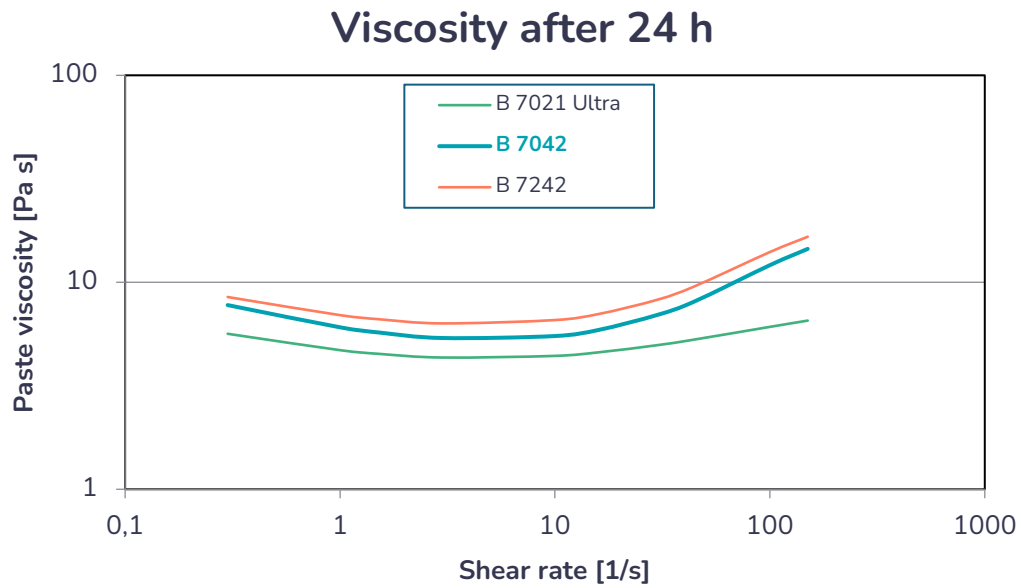
Good Foaming Properties

- In high to medium density foams
- Rapid foaming

Artificial Leather

Good Foaming Properties

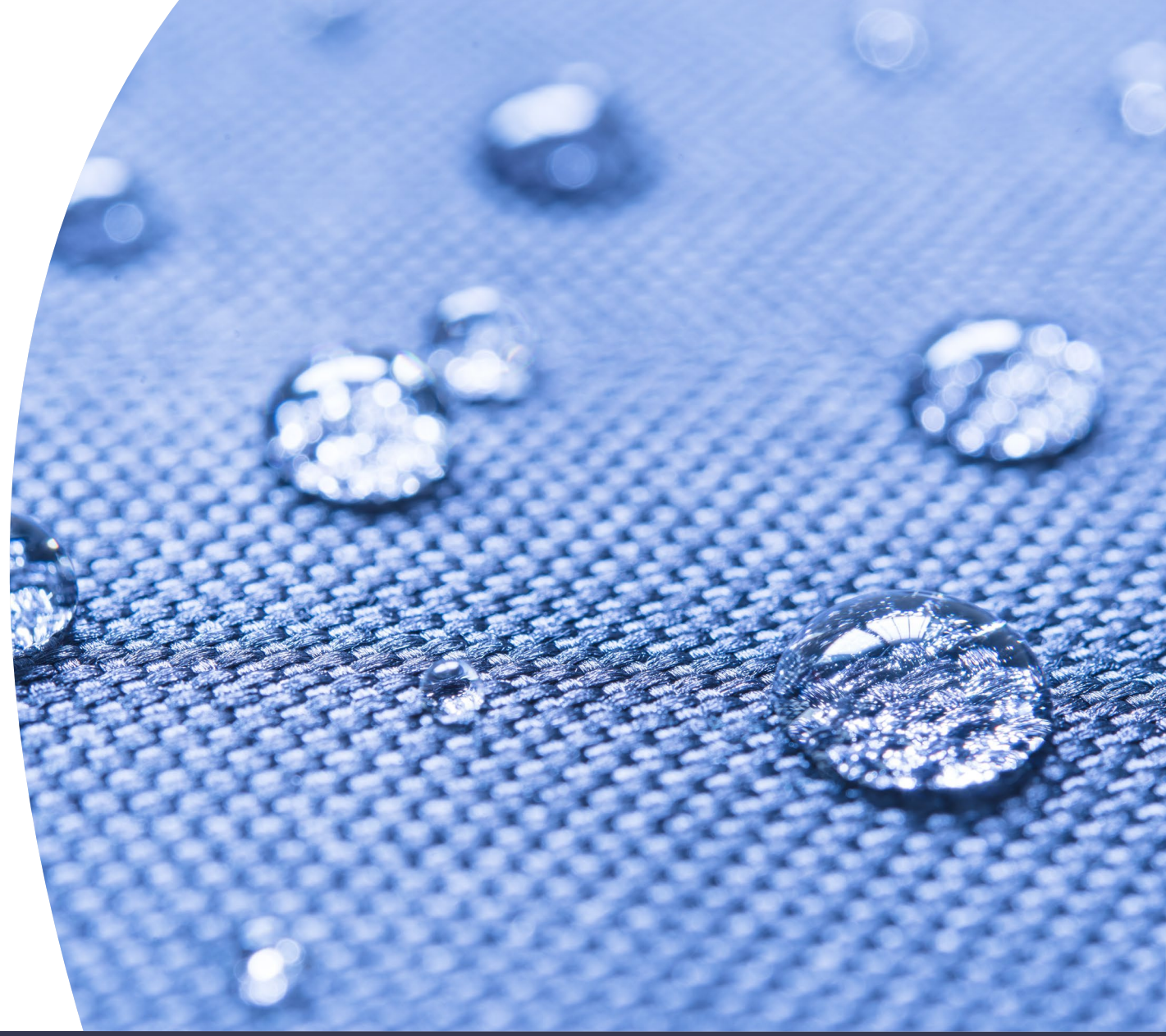
- In high to medium density foams
- Rapid foaming



New MicroSuspension-PVC: **VESTOLIT® B 7042**

Textile Coating

- **Low viscosity** gives flexibility in formulating regarding
  - Reduced usage of viscosity depressant
  - High filler acceptance
  - Excellent storage stability
- **Excellent adhesion** in combination with Adhesion Promotors
  - Combined with a good pot-life
- **FDA FC-Approval**
  - Useable for food contact applications



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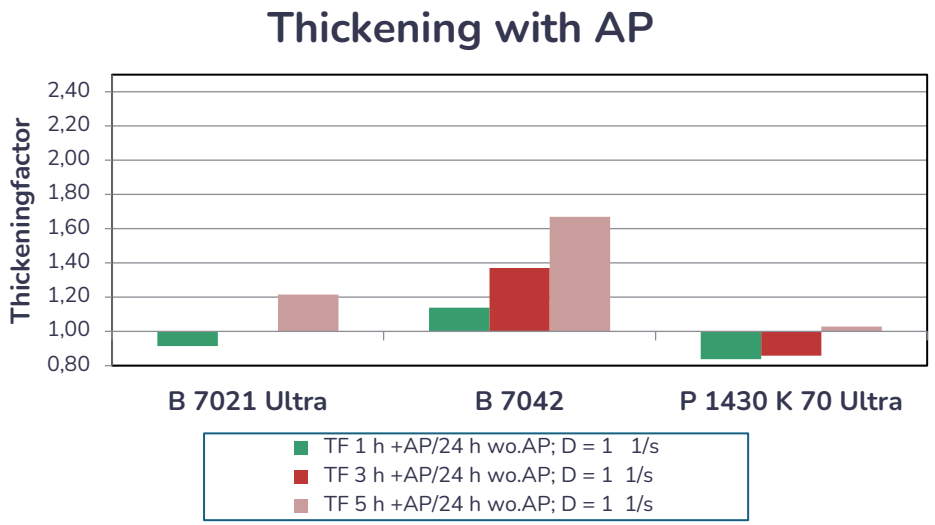

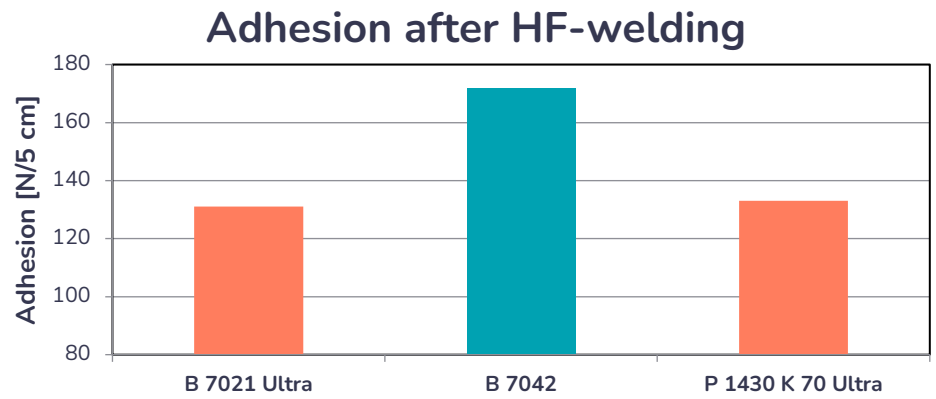

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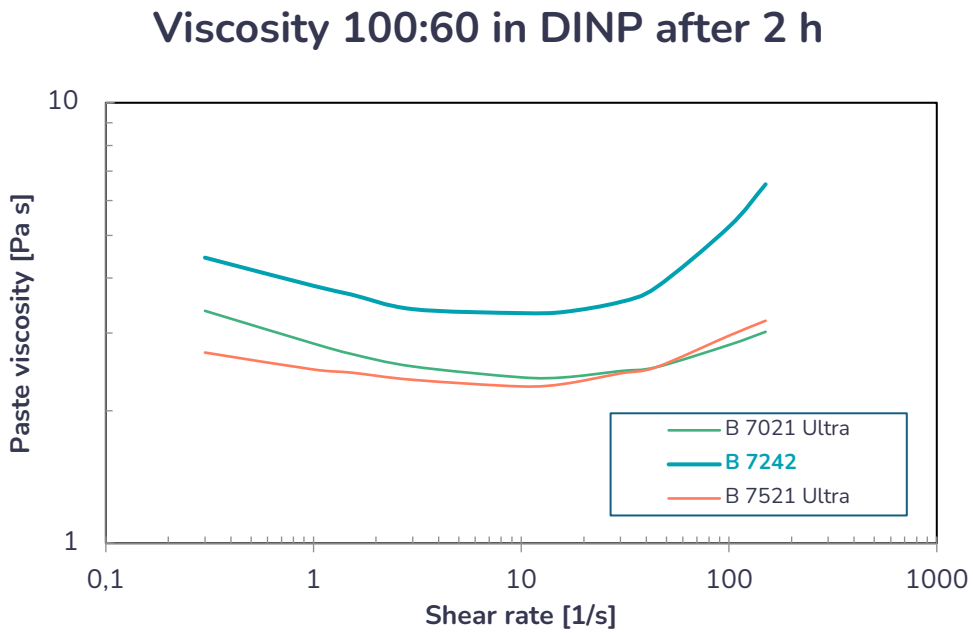
VESTOLIT® P 1415 K80 Ultra	80	low, newtonian	particularly advantageous for compact applications and in mechanical foams
VESTOLIT® P 1430 K90 Ultra	90	low, newtonian	for use in low plasticizer pastes for matt, transparent topcoats, especially in flooring applications

New MicroSuspension-PVC VESTOLIT® B 7242

General Properties

- **Medium viscosity**
- **Good storage stability**
- **Good foaming**
  for medium and high-density foams



New MicroSuspension-PVC: **VESTOLIT® B 7242**

Flooring

Good Foaming Properties

- **In high to medium density foams**
  - Rapid foaming
  - Fine cell structure
  - Excellent chemical embossing
  - Good stability of the foams

Flooring

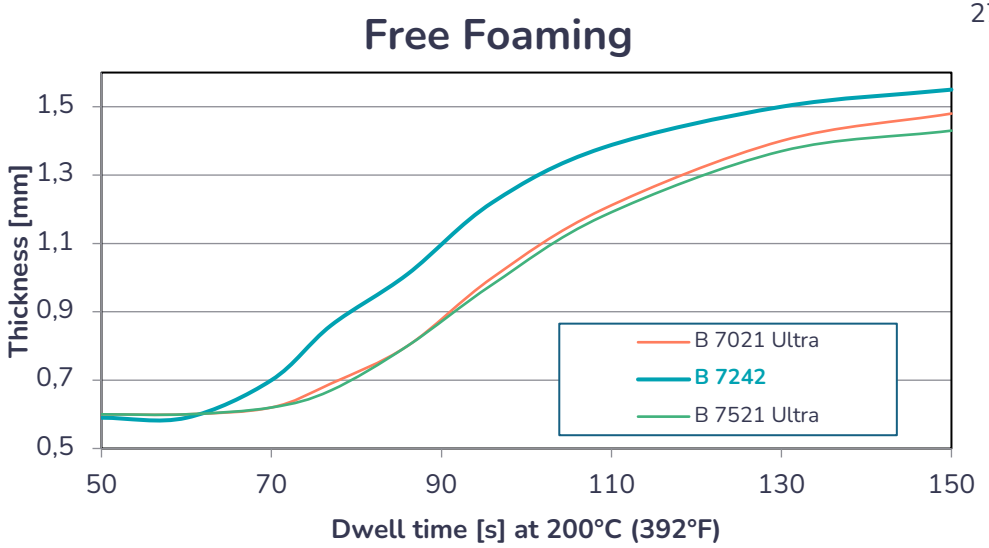
Good Foaming Properties

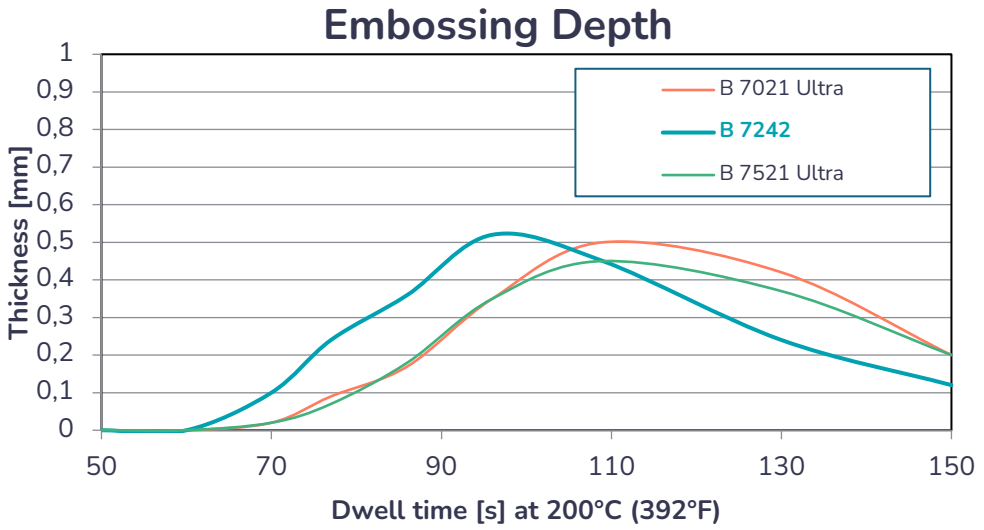
- **In high to medium density foams**
  - Rapid foaming
  - Fine cell structure
  - Excellent chemical embossing

VESTOLIT® B 7021 Ultra

VESTOLIT® B 7242

VESTOLIT® B 7521 Ultra





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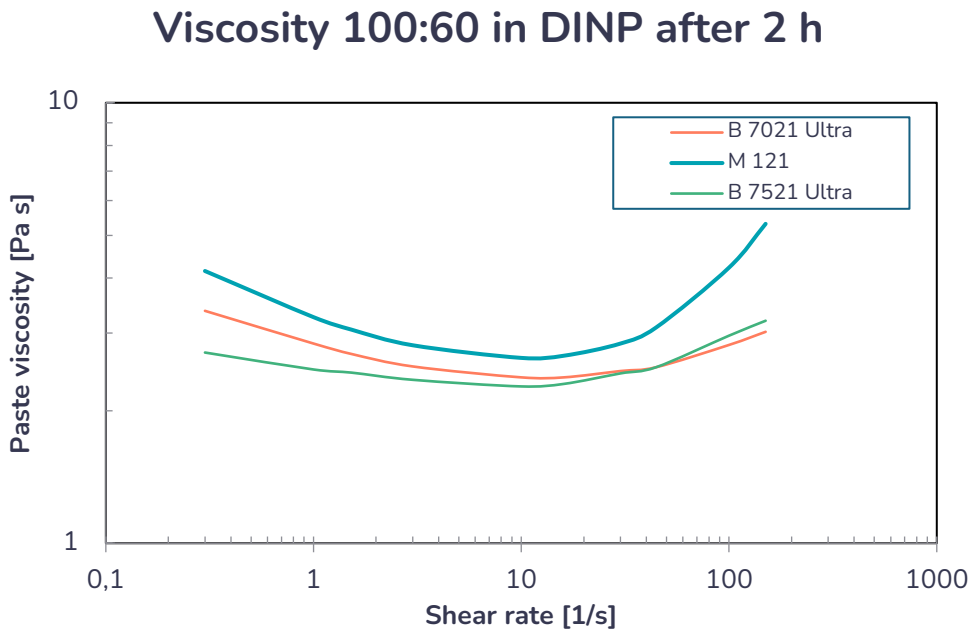
VESTOLIT® P 1415 K80 Ultra	80	low, newtonian	particularly advantageous for compact applications and in mechanical foams
VESTOLIT® P 1430 K90 Ultra	90	low, newtonian	for use in low plasticizer pastes for matt, transparent topcoats, especially in flooring applications

New MicroSuspension-PVC VESTOLIT® M 121

General Properties

- Low to medium viscosity
- Good behavior on the gelling drum
- Good mechanical properties
- Good foaming properties
- FDA and EU-FC-Approval



New MicroSuspension-PVC: **VESTOLIT® M 121**

Flooring

Good Foaming Properties

- In high density foams
- Excellent chemical embossing

Flooring

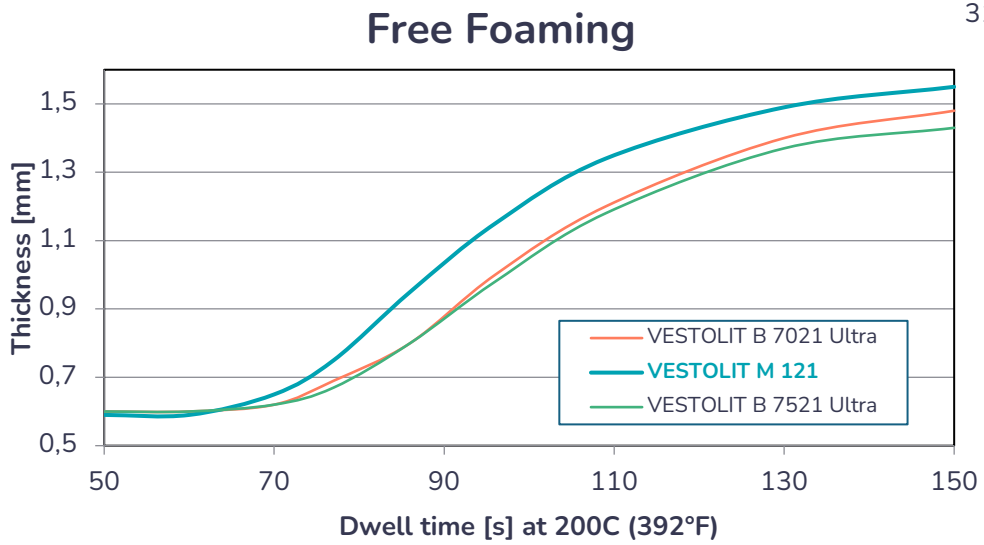
Good Foaming Properties

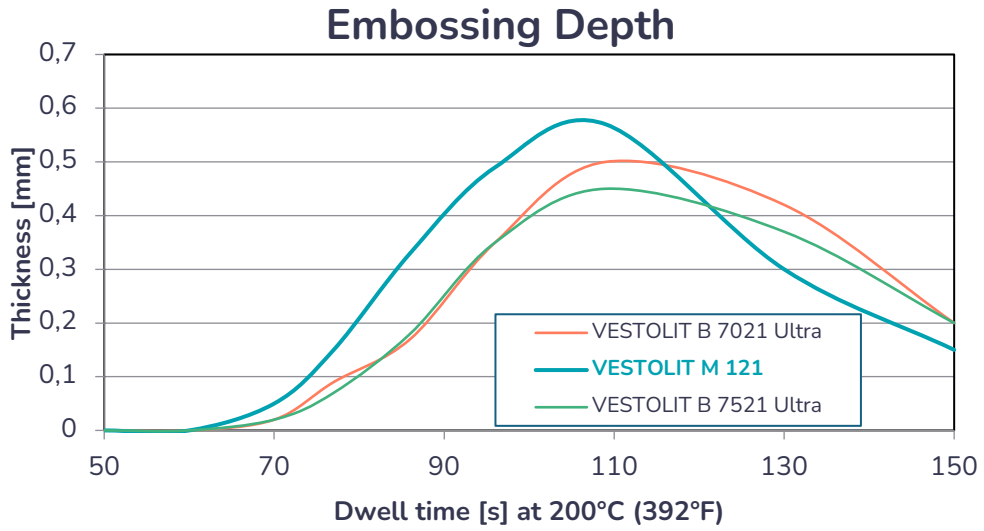
- In high density foams
- Excellent chemical embossing

VESTOLIT® B 7021 Ultra

VESTOLIT® M 121

VESTOLIT® B 7521 Ultra





New MicroSuspension-PVC: **VESTOLIT® M 121**

Artificial Leather

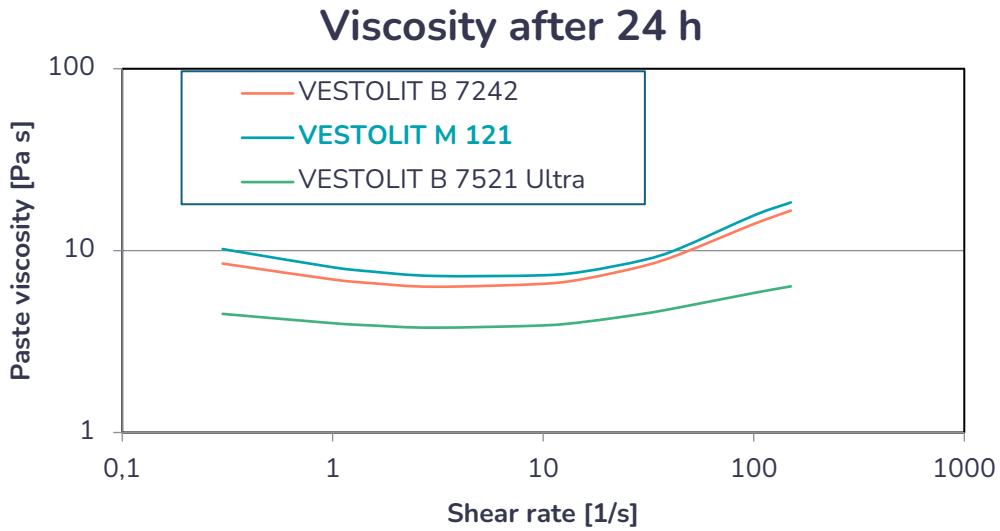
Good Foaming Properties

- In high to medium density foams

Artificial Leather

Good Foaming Properties

- In high to medium density foams



New MicroSuspension-PVC Products

Product Name	K-Value	Viscosity	Features
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New Extender/Blending Resin
VESTOLIT® XC 866

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Investigation

Used Blending Resins Comparison

1. VESTOLIT® XG 217
2. VESTOLIT® XC 866
3. Competition Grade A

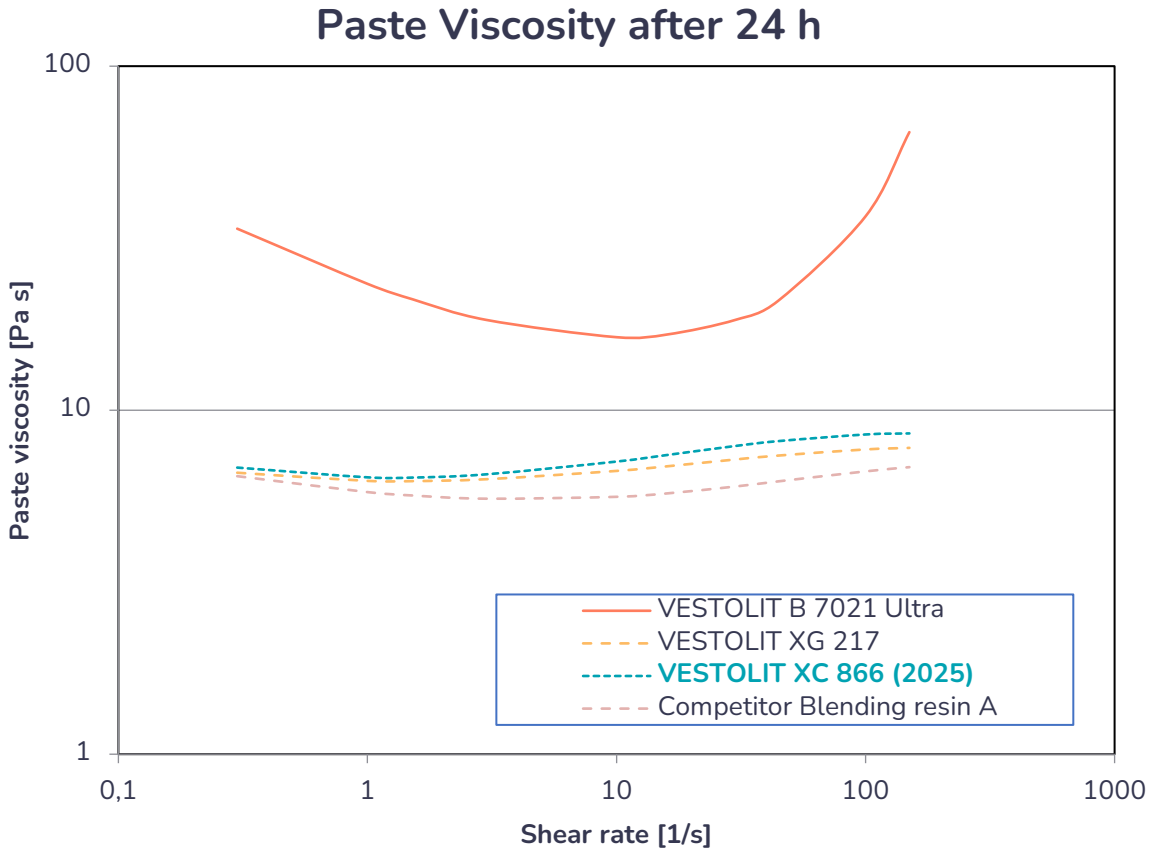
Sample Preparation

Additives	[phr]
VESTOLIT® B 7021 Ultra	50
Blending Resin	50
DINP	38
Stabilizer	2

- Making of 1mm-films
- Fused at 200°C/2min

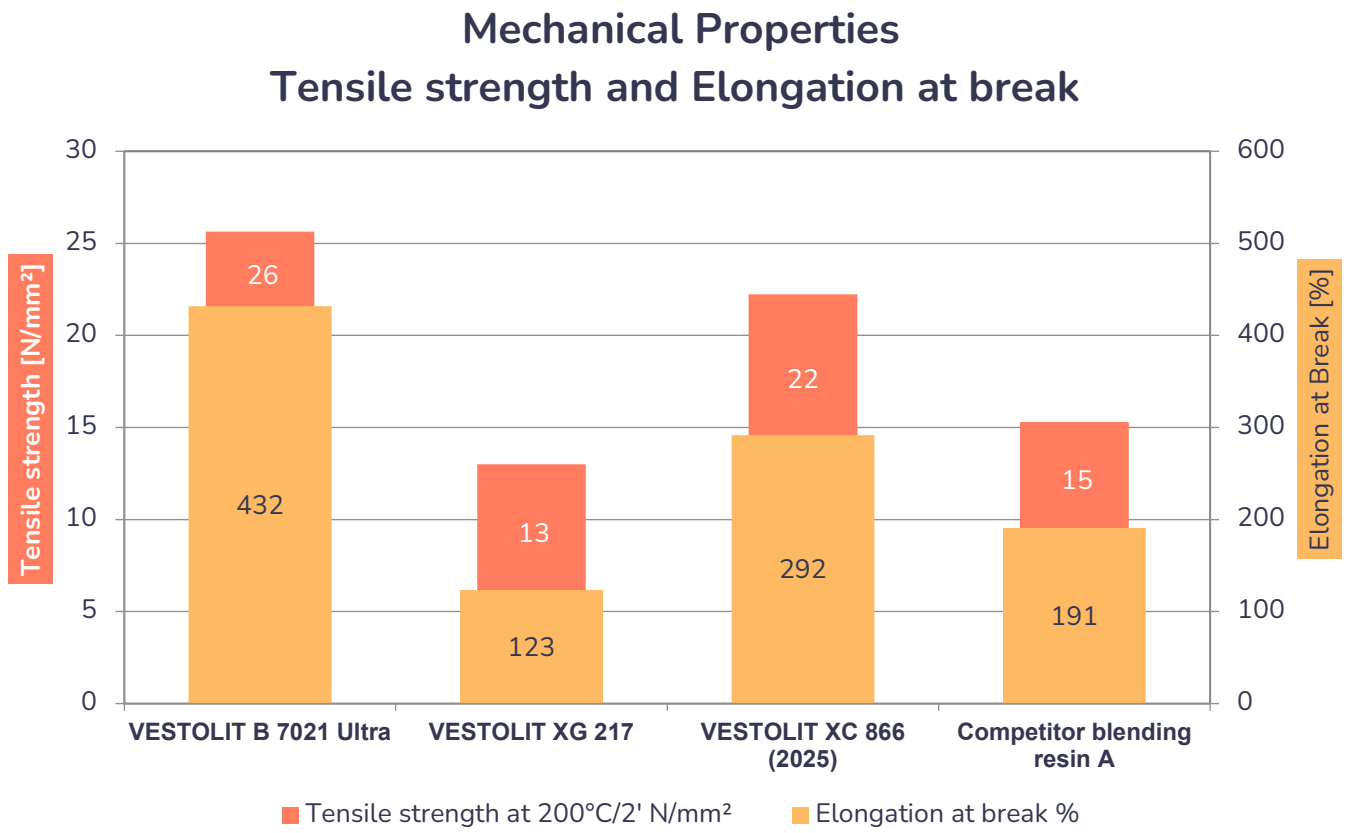
Rheology Properties

- Good viscosity reduction
- Compensation of dilatancy and pseudoplasticity
- Good storage stability



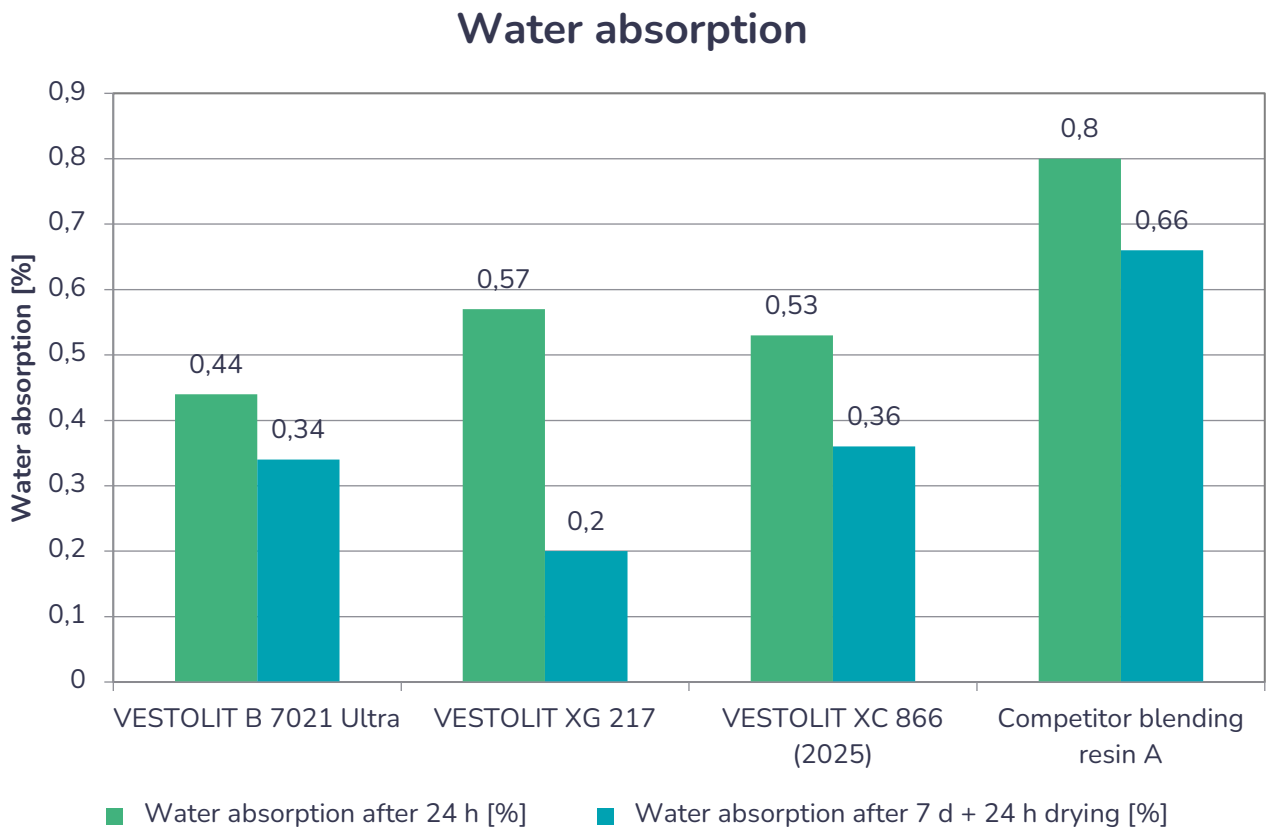
Mechanical Properties

- Excellent tensile strength
- Excellent elongation at break



Optical Properties

- **Good transparency values**
- **Excellent haze values**
- **Slightly reduced Gloss**
- **Low water absorption**
  especially after drying



NEW VESTOLIT® Paste PVC products

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VESTOLIT® M 121	74	low, slightly pseudoplastic	good foaming properties, excellent adhesion on polyester fabric
VESTOLIT® XC 866	66	Extender / Blending resin	good viscosity reduction with excellent mechanical properties

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Discover the PVC that fits your needs

Our PVC-Finder

orbia Polymer Solutions

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Closing

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vestolit

Closing

Feedback

Please answer a couple of questions for us.

You will find a link to the questionnaire here in the chat.

Point of contact

Reach out to **your personal contact** or email us at:

Customer-Service.Europe@vestolit.com
Customer-Service.LATAM@vestolit.com
Customer-Service.USA@vestolit.com

Technical-Service.Europe@vestolit.com
Technical-Service.LATAM@vestolit.com
Technical-Service.USA@vestolit.com

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From applications in pipes and cables to household appliances and medical devices, Orbia's Polymer Solutions business group and businesses Vestolit and Alphagary supply Orbia's downstream businesses and a global customer base with polyvinyl chloride (PVC) general resins, specialty resins, compounds and additives for vinyl compounds.