

# Optimised formulation with processing aids

*Sustainability and security of supply top the current wish list for users of polymer lubricants and processing aids. Jennifer Markarian reports on some of the latest developments*



This is an excerpt from the original article, prepared by VOELPKER®.  
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**Main image:**  
Easy-to-handle  
lubricants and  
processing aids  
are in high  
demand and  
producers such  
as Voelpker are  
increasing  
capacity



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The CEVO range of wax-based additives from **Voelpker Spezialprodukte** are said to act as viscosity-regulating combination lubricants, dispersion aids and surface improvers in a range of polymer compounds and recycled polymers. For example, CEVO-process A-3105 improves distribution homogeneity – of fillers, pigments and flame retardants, for example – and enhances flow and demolding, according to Lutz Matthies, Head of Business Development at the company.

Voelpker manufactures additive formulations tailored to specific polymers and production challenges, in physical forms desired by plastics manufacturers and compounders, such as dust-free powders and compacted prills. The company is currently building a new plant at its existing site at

Völpke in Germany to meet increasing demand for these ready-to-use additive formulations. It is expected to commence operation in the summer of this year.

Matthies expects to see increasing demand for biodegradable additives, saying there is more than one way to meet this need. "Research has demonstrated that montan ester waxes with suitable emulsifiers are easily biodegradable (test method OECD 301 B; > 80%)," he says. Biobased materials are also sought after. Voelpker's CEVO-process J-4418 grade, for example, is based on renewable raw materials and is used in engineering thermoplastics. The additive is chemically equivalent to a montan ester wax so is expected to have similar biodegradability; tests are underway, reports Matthies.



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