

# Expertise Plus Information

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## Efficient polyolefin processing with accelothene®G5

**Manufacturing and recycling plastics requires constant optimisation. New performance additives such as accelothene®G5 enable even recycled polyolefins to be processed more efficiently and cost-effectively.**

Making melted polyolefins more fluid is one of the main tasks of accelothene®G5. Our innovative flow improvement additive is a polymer modification solution that reduces environmental impact while also enhancing process efficiency.



### One additive, many benefits

accelothene®G5 reduces viscosity without having a negative impact on the mechanical performance of the end product. Consistently low processing temperatures and shorter cooling periods result in cost-efficient production. Furthermore, it allows a lower energy consumption. The advantages at a glance:

- Low processing temperature
- Shorter cycle times
- Doses of two to three percent reduce the polymer viscosity
- Innovative molecular structure enables co-crystallisation with injected base polymer
- When added during the plastic compounding step, it helps to increase the regranulation output

### Efficient and energy-conserving

accelothene®G5 enables you to mould PE regranulates, even extrusion types, in the same way as pure PE. It can be used in its original form or in combination with pigments, fillers and other additives. Its field of application includes thermoplastic conversion processes such as injection moulding, blow moulding, extrusion and compounding.

### Our expert

Chris Morgan has been working in BASF's plastics industry for over 25 years. Before joining BTC, he was responsible for the plasticizers business in Northern Europe. Today, as Sales Manager of the Plastic Additives and Colours division in the United Kingdom, he is responsible for promoting existing and new innovations from BASF's plastics solutions portfolio. "My goal is to develop sustainable solutions and strong customer relationships with my team of plastics experts to serve all areas of the plastics market."



You can find additional information about Accelothene®G5 the corresponding One Pagers in the [Download Centre](#). You can also contact your local BTC partner directly using the [Solution Finder](#).