polytives

*b*FI

More Scope for Polystyrene: Easier Processing, Higher Efficiency, New Opportunities

Polystyrene (PS) is one of the most widely processed plastics worldwide. However, increasing process requirements such as complex geometries, high quality standards, and rising cost pressure are constantly pushing converters to their limits. Every scrap part and every avoidable machine hour have a direct impact on the cost-effectiveness of the processing operations.

Expanded processing window, more options

Our polymeric additive *b*FI A 3745 significantly increases the flowability of PS melts without migration and without compromising material properties. This gives processors considerably more flexibility in process design and ensures greater stability and efficiency in daily operations.

- The MVR increases by up to 130 % compared to the original material.
- Complex and thin-walled components can be filled reliably.
- Reject rates are reduced, and process stability is sustainably improved.
- Machine capacity is optimally utilized.

Economically strong, ecologically sound

Higher flowability shortens cycle times, reduces unit costs, and extends tool life. The significantly lower process temperatures required also contribute to this. Fewer rejects also means less material and energy consumption. This not only makes processes more efficient but also transforms them into a more positive carbon footprint.

New possibilities for your PS processing

Get in touch with us and request a sample to experience the effect yourself. We are also happy to support your testing so you can reach your goals quickly and reliably.

Get in touch now!

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Fig. 1: Influence on the melt volume flow rate (MVR) of PS when using the polymeric additive *b*FI A 3745.

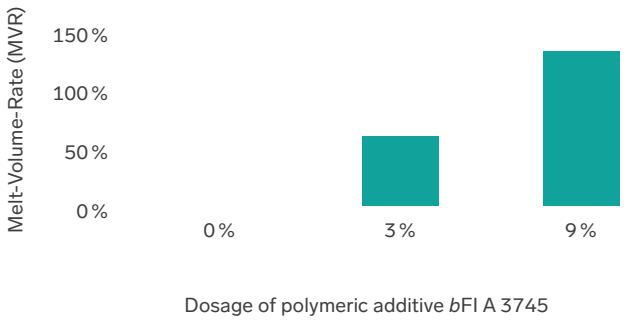

Fig. 2: Influence of the polymeric additive *b*FI A 3745 on the thermal and mechanical properties of PS.