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Techmer PM Introduces New Viscosity Modifier

Staying profitable in today's global economy can be tough, so Techmer PM is determined to provide every possible edge to plastics processors. For example, boosting efficiency is the goal of Techmer PM's latest viscosity modifier, called PM13030.

"With our PM13030, customers get a proprietary viscosity modifier with a one-two punch," says Mark Jordan, Vice President of Sales and Marketing. "Not only does it cut cycle time, but it also saves energy by reducing back pressure, which means the extruder consumes fewer amps of electricity."

Even with the unusually viscous polyolefin resins such as ultra-high molecular weight HDPEs, PM13030 will improve throughput without affecting the physical properties of films, profile extrusions, or molded products. Applications include food packaging, thermoformed parts, and pipe. Techmer PM reports that this formulation meets FDA criteria for food contact under section 184.1324 of federal regulations.

How much of the additive is required? "That depends on the resin's actual viscosity and type," says Ebrahim (Abe) Mor, Vice President of Technology. "The letdown ratio can vary quite a bit," he adds. Techmer PM recommends discussions with our sales engineers for each application.

PM13030's normal carrier resin is polyethylene pellets. However, Techmer PM reports that custom formulations are also available. Processing temperatures should not exceed 540F, or 185C.

Techmer PM is a major producer of value-added color and additive masterbatches for the plastics and fiber industries. The company has worldwide manufacturing capability with a focus on high-performance applications where quality, technical support, and problem solving are critical.

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