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Techmer PM's Flame Retardant Passes Stringent Tests

Creating a flame retardant that not only passes the most stringent tests of efficacy but also can be used in heat-seal films is a tough problem. But Techmer PM has successfully risen to the challenge with the company's new PM13800 flame retardant concentrate.

Users of this unique flame retardant (FR) concentrate will get a lot more than just its non-blooming property, says Mark Jordan, Vice President of Sales and Marketing at Techmer PM. "It's also so efficient and has such excellent dispersion and high-heat stability that it can be run at the thinnest gauges," he explains. "Plus, PM13800 is an incredibly versatile FR."

For example, the concentrate can be used in all polyethylene films, from LDPE to LLDPE and HDPE. In addition, PM13800 is equally successful as an FR for blow-molded and injection-molded parts, extruded low-density PE foams, extrusion coatings, and thermoformable sheet.

"If someone has some other unusual application that needs a flame retardant plus heat sealability or printability for great graphics, we can no doubt tailor PM13800 to that application, too," says Mr. Jordan. "This flame retardant passes all tests.

Techmer PM's internal testing shows that PM13800 provides outstanding performance in all UL-94 tests (V-0, V-1, V-2) as well as CPAI-84 6 and 7, NFPA 701, ASTM D-2863, and MVSS 302. The FR concentrate is supplied as white PE pellets, with a recommended maximum processing temperature of 610°F (321°C).

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

*Techspense is a registered trademark of Techmer PM, LLC.

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