**Eastman G™ maleated polyolefins**

*Superior coupling additives for fire-retardant polyolefin composites*

Halogenated flame retardants are gradually being replaced in many thermoplastic flame-retardant composites. Newer flame retardants, such as aluminum trihydrate (ATH) and magnesium hydroxide (Mg(OH)₂), must be present at much higher levels (40%–60% by weight) in polyolefin composites to be effective.

Eastman G maleic-grafted polyolefins can serve as processing aids and coupling agents in highly filled flame-retardant composites. The addition of low levels (1%–6%) of Eastman G polymers results in substantial improvements in tensile strength and other physical properties of highly filled polyolefin composites.

Eastman G-3003 polymer is available in 50 lb (22.7 kg) bags or 1,000 lb (453.6 kg) boxes. Bulk bag packaging is available on a made-to-order basis.

**Data for flame-retardant polyolefin composites**

![Graphs showing tensile strength and flexural modulus for ATH/PP and Mg(OH)₂/PP composites with Eastman G-3003 coupler.](image-url)

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