

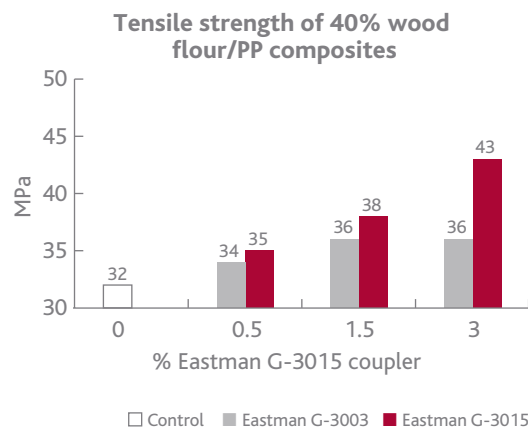
Eastman G™ maleated polyolefins

Superior coupling additives for cellulose reinforcement

Cellulose by-products and waste streams, including newsprint, sawdust, corrugated board, wheat straw, nut shells, bamboo, flax, and hemp, represent a huge untapped raw material resource for thermoplastic composites. Laboratory studies have shown that low to medium molecular weight, maleated polypropylenes can help disperse cellulose fibers or particles into the base polyolefin. Addition of low levels (0.5%–3%) of higher-acid-number Eastman G-3015 polymer results in a substantial increase in tensile strength and other physical properties of the cellulose/polyolefin composites.

Eastman G-3015 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 cellulose/polyolefin composites containing Eastman G coupler



Eastman G™ polymers are products of Eastman and are protected under one or more of the following U.S. patents: 5,955,547; 6,046,279; 7,408,007; 7,683,134; and their foreign equivalents.



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