Eastman G™ maleated polyolefins
Superior coupling additives for fiberglass reinforcement

Eastman G-3003 and Eastman G-3015 are maleic-grafted polypropylenes (MAPP) with optimum functionality and molecular weight developed to couple glass fibers with nylon. Addition of a small percentage of MAPP (0.5%–1.5%) results in a dramatic increase in most physical properties of fiberglass-reinforced nylon composites. MAPP also functions well as a compatibilizer in nylon/polypropylene alloys and as a dispersing aid for polyamide-based fluorescent pigments.

Eastman G-3003 and Eastman G-3015 are 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.

Physical data for 30% fiberglass-filled nylon 6 composites

- **Hardness (M scale)**
  - 81.6 ± 0.75 ± 84.7 ± 1.5
  - % Eastman G coupler: 0, 0.75, 1.5

- **Flexural modulus (MPa)**
  - 5,380 ± 0.75 ± 6,240 ± 1.5
  - % Eastman G coupler: 0, 0.75, 1.5

- **Tensile strength (MPa)**
  - 127.9 ± 0.75 ± 144.2 ± 1.5
  - % Eastman G coupler: 0, 0.75, 1.5

- **Heat deflection temperature @ 66 psi (°C)**
  - Control: 212, Eastman G-3015: 214, Eastman G-3003: 216
  - % Eastman G coupler: 0, 0.75, 1.5

- **Heat deflection temperature @ 264 psi (°C)**
  - Control: 190, Eastman G-3015: 196, Eastman G-3003: 198
  - % Eastman G coupler: 0, 0.75, 1.5
Physical data for 30% fiberglass-filled nylon 6 composites (continued)

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