

Synthomer™ G-3003 is a maleic anhydride grafted polypropylene recommended as a coupling agent for polypropylene (PP) composites. Because of the polarity and anhydride functionality, Synthomer™ G-3003 is useful for laminating, as a compatibilizer for PP blends with nylon or EVOH, and for enhancing the strength of composites that utilize reinforcements / fillers such as glass, talc, calcium carbonate, and metals.

- Balances attraction between polar fillers / reinforcements and non polar polymers
- Coupling agent for PP composites
- Maleic anhydride grafted polypropylene (PP)

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: [Adhesive.Technologies@Synthomer.com](mailto:Adhesive.Technologies@Synthomer.com)

| Property                | Typical Value | Unit     | Method <sup>1</sup>    |
|-------------------------|---------------|----------|------------------------|
| Acid Number             | 8             | mg KOH/g |                        |
| Melt Viscosity at 190°C | 60,000        | cP       | ASTM D3236, Brookfield |
| Yellowness Index        | 35            |          | ASTM D6290             |
| Polymer Type            | Pellets       |          |                        |

<sup>1</sup> internal method based upon the specified norm

## Applications

Caulks and Sealants, Packaging, Plastic Modification, Other coatings, Specialty Tapes

## Compatibility and Solubility

Synthomer™ polymers are compatible with many polymers, resins, and natural and synthetic waxes.

## Packaging

Synthomer™ G-3003 polymer is supplied as free-flowing pellets, packaged in plastic bags [22.67 kg (50 lb) net weight]. The bags are palletized and stretch wrapped to prevent contamination during storage and shipment.

## Storage

Based on stability testing conducted on comparable polymer samples, and available information from past experience, when stored in the original unopened container in an enclosed area, protected from moisture, extreme temperatures and contamination, Synthomer™ G-3003 should continue to meet applicable sales specifications for 4 years from the date of manufacture. The exact useful life of this product can be affected by such things as storage and handling conditions and the conditions relating to past experiences may not be representative of your specific product storage and handling conditions. As a user of this product, you should be guided by your own determination that your use of the product is safe, lawful, and technically suitable in your intended applications. First in first out inventory control is recommended. Refer to the Safety Data Sheet for available health, safety, storage and handling information.

## Comments

Properties reported here are typical values. Synthomer makes no representation that the material in any particular shipment will conform exactly to the values given.