

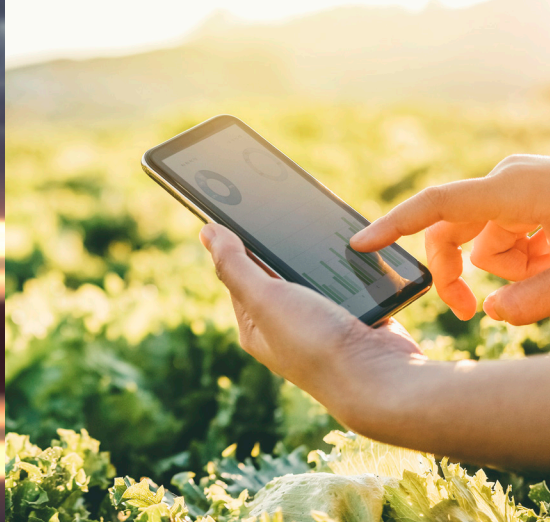

PRODUCT BULLETIN

Nymax™ BIO
Bio-based Polyamide Solutions

As brand owners look for new ways to lower their carbon footprint and bring more sustainable products to the market, Nymax™ BIO polyamide formulations can help. These bio-derived and glass fiber-reinforced formulations utilize 16–47% natural filler from renewable plant sources, including corn, straw, and wheat. Renewable, plant-based raw materials, have been shown to offer significantly lower product carbon footprint values than typical petroleum-based feedstock.

The Nymax BIO portfolio includes six grades that offer lower warpage plus excellent surface appearance and colorability compared with traditional PA66 glass fiber-filled materials. Four of them are low water absorption grades that deliver excellent dimensional stability and property retention after conditioning, solving the problem of water influence on finished parts. All grades can be customized further to meet specific applications requirements, such as for laser welding and flame retardant properties.

KEY CHARACTERISTICS

- Bio-polymers that reduce the carbon footprint value significantly
- Achieves equivalent performance as PA66 glass fiber-filled materials
- Excellent surface appearance and colorability
- Lower warpage compared with PA66 glass fiber-filled materials
- Cost-effective alternative to PA66 glass fiber-filled materials
- Excellent dimensional stability and property retention rate after water uptake
- Commercially available in Asia

APPLICATIONS

Nymax BIO formulations can be applied to reach sustainability goals in demanding applications including:

- Transportation
- Industrial
- Consumer goods
- Building and construction

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