

**Product Terratek® BD1202**

**Product Description** Proprietary blend of natural and synthetic biodegradable polyesters suitable for sheet extrusion and thermoforming. This resin is made from polymers which pass industry standards for industrial and/or home composting.

| Renewable Content             |     |
|-------------------------------|-----|
| Biobased content (ASTM D6866) | 50% |
| Biomass content (by weight)   | 50% |

*Preliminary Data – Pending Third Party Analysis*

| Property                     | Test Method | Value      |
|------------------------------|-------------|------------|
| Melt Index (190°C / 2.16 kg) | ASTM D1238  | 4 g/10 min |
| Tensile Strength             | ASTM D638   | 4,300 psi  |
| Elongation                   | ASTM D638   | 7.0%       |

**Drying Conditions**

Moisture level: at or below 0.04% (400 ppm)  
 Method: Karl Fischer; if using a loss in weight analyzer, contact Green Dot for more information.  
 Drying conditions: Desiccant dryer 140°F for 2 to 4 hours or until the recommended moisture level is reached

ATTENTION: Moisture in Terratek® EX resins may result in hydrolysis which can cause brittleness, loss in strength, and reduction in melt strength, in addition to potentially impacting the shelf life of finished parts.

**Packaging and Storing**

This resin is typically packaged in a sealed plastic or foil lined box, drum, or gaylord. The product should be stored in a cool, dry, and sanitary area to achieve maximum stability.

**Processing Recommendations**

Terratek® resins can be processed on conventional equipment. Follow standard purging process with a polyolefin or purge compound, such as Dyna-Purge, etc. Melt temperature of the resin should remain below 400°F.

|              |                |
|--------------|----------------|
| Feed Zone    | 280°F to 320°F |
| Middle Zones | 320°F to 360°F |
| Front Zones  | 320°F to 360°F |
| Die          | 320°F to 360°F |
| Chill Roll   | 60°F to 100°F  |

The information and recommendations in this sheet are based on our experience and analysis using standard procedures, and are believed to be accurate and reliable. However, they serve merely as typical guides, and are presented in good faith for the benefit of our customers. No guarantee, expressed or implied, is made regarding accuracy of the analysis, patent infringement, liabilities, or risks involved from the application