

Product Terratek® NF-EX042202

| Renewable Content | |
|-------------------------------|-----|
| Biobased content (ASTM D6866) | 6% |
| Biomass content (by weight) | 13% |

Product Description This resin is a combination of reclaimed jute fibers and injection molding grade polypropylene (PP). To create a repurposed product, we have partnering with a Tier 1 automotive manufacturer to source their waste trim and scrap jute matting to create this biocomposite. Natural fiber filled resins can replace glass or carbon fiber filled PP in many applications for a more sustainable and lighter weight option, not to mention the more natural aesthetic

| Property | Test Method | Value |
|------------------------------|-------------|---------------|
| Specific Gravity | ASTM D792 | 0.94 |
| Melt Index (230°C / 2.16 kg) | ASTM D1238 | 26 g/10 min |
| Tensile Strength | ASTM D638 | 4,400 psi |
| Elongation | ASTM D638 | 8.2% |
| Notched Izod Impact | ASTM D256 | 1.57 ft-lb/in |

Drying Conditions

Moisture level: at or below 0.25% (2500 ppm)
 Method: as measured by a loss in weight analyzer 270°F for 15 minutes
 Drying conditions: Desiccant dryer 150°F until the recommended moisture level is reached

ATTENTION: Moisture in Terratek® WC resins may result in splay, drool at the nozzle, foaming or other processing concerns.

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.

Molding Recommendations

Terratek® resins can be processed on conventional molding 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. If thermal degradation occurs, the operator will see dark streaks in the parts or purge, off-gassing, and drool at the nozzle or in the mold.

| | |
|--------------|----------------|
| Feed Zone | 300°F to 360°F |
| Middle Zones | 330°F to 360°F |
| Front Zones | 360°F to 380°F |
| Nozzle/Die | 360°F to 380°F |
| Mold | 40°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