

## HiFill® PA12 TR90NZ GF15 UV WT 100764

Techmer Polymer Modifiers - *Polyamide 12*

### General Information

| General                |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Material Status        | <ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>                |
| Availability           | <ul style="list-style-type: none"> <li>North America</li> </ul>                     |
| Filler / Reinforcement | <ul style="list-style-type: none"> <li>Glass Fiber, 15% Filler by Weight</li> </ul> |
| Features               | <ul style="list-style-type: none"> <li>UV Resistant</li> </ul>                      |
| Appearance             | <ul style="list-style-type: none"> <li>White</li> </ul>                             |
| Processing Method      | <ul style="list-style-type: none"> <li>Injection Molding</li> </ul>                 |

### Properties <sup>1</sup>

| Physical                       | Nominal Value | Unit     | Test Method |
|--------------------------------|---------------|----------|-------------|
| Density / Specific Gravity     | 1.12          |          | ASTM D792   |
| Moisture (302°F)               | 0.070         | %        |             |
| Mechanical                     | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)       | 9600          | psi      | ASTM D638   |
| Tensile Elongation (Break)     | 11            | %        | ASTM D638   |
| Flexural Modulus               | 443000        | psi      | ASTM D790   |
| Flexural Strength              | 15700         | psi      | ASTM D790   |
| Impact                         | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (0.125 in) | 1.6           | ft·lb/in | ASTM D256   |

### Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 180           | °F   |
| Drying Time            | 4.0 to 6.0    | hr   |
| Nozzle Temperature     | 480 to 520    | °F   |
| Processing (Melt) Temp | 480 to 520    | °F   |
| Mold Temperature       | 140 to 175    | °F   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

