

**HiFill® TPU 0600**

 Techmer Polymer Modifiers - *Thermoplastic Polyurethane Elastomer*
**General Information**
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|                   |  |
|-------------------|--|
| 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>      |
| Features          | <ul style="list-style-type: none"> <li>High Density</li> </ul>       |
| Appearance        | <ul style="list-style-type: none"> <li>Colors Available</li> </ul>   |
| Forms             | <ul style="list-style-type: none"> <li>Pellets</li> </ul>            |
| Processing Method | <ul style="list-style-type: none"> <li>Injection Molding</li> </ul>  |

**Properties <sup>1</sup>**

|   | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| <b>Physical</b>   |               |          |             |
| Density / Specific Gravity                              | 6.00          |          | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in)                     | 2.0E-3        | in/in    | ASTM D955   |
| Water Absorption (24 hr)                                | 0.025         | %        | ASTM D570   |
| <b>Mechanical</b>                                       |               |          |             |
| Tensile Strength  | 3300          | psi      | ASTM D638   |
| Tensile Elongation (Break)                              | 50            | %        | ASTM D638   |
| Flexural Modulus  | 70000         | psi      | ASTM D790   |
| Flexural Strength                                       | 3700          | psi      | ASTM D790   |
| <b>Impact</b>   |               |          |             |
| Notched Izod Impact (73°F, 0.125 in)                    | 6.5           | ft-lb/in | ASTM D256   |
| <b>Hardness</b>   |               |          |             |
| Rockwell Hardness (R-Scale)                             | 55            |          | ASTM D785   |
| <b>Thermal</b>  |               |          |             |
| Deflection Temperature Under Load (264 psi, Unannealed) | 175           | °F       | ASTM D648   |

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