

**HiFill® POM 0212 B**

 Techmer Polymer Modifiers - *Acetal (POM) Copolymer*
**General Information**
**General**

|                   |                                     |
|-------------------|-------------------------------------|
| Material Status   | • Commercial: Active                |
| Availability      | • North America                     |
| Features          | • Copolymer • High Specific Gravity |
| Appearance        | • Colors Available                  |
| Forms             | • Pellets                           |
| Processing Method | • Injection Molding                 |

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

|   | Nominal Value      | Unit     | Test Method |
|---|--------------------|----------|-------------|
| <b>Physical</b>   |                    |          |             |
| Density / Specific Gravity                              | 2.12               |          | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in)                     | 0.014              | in/in    | ASTM D955   |
| Water Absorption (24 hr)                                | 0.10               | %        | ASTM D570   |
| <b>Mechanical</b>                                       |                    |          |             |
| Tensile Strength (Yield)                                | 6500               | psi      | ASTM D638   |
| Tensile Elongation (Break)                              | 1.0                | %        | ASTM D638   |
| Flexural Modulus  | 330000             | psi      | ASTM D790   |
| Flexural Strength                                       | 7000               | psi      | ASTM D790   |
| <b>Impact</b>   |                    |          |             |
| Notched Izod Impact (73°F, 0.125 in)                    | 0.80               | ft·lb/in | ASTM D256   |
| <b>Thermal</b>  |                    |          |             |
| Deflection Temperature Under Load (66 psi, Unannealed)  | 310                | °F       | ASTM D648   |
| Deflection Temperature Under Load (264 psi, Unannealed) | 225                | °F       | ASTM D648   |
| <b>Electrical</b>                                       |                    |          |             |
| Volume Resistivity                                      | 1.0E+13 to 1.0E+14 | ohms·cm  | ASTM D257   |

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