

## HiFill® PA6/6 0249 B

Techmer Polymer Modifiers - Polyamide 66

### General

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

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

| Physical                                                | Nominal Value      | Unit     | Test Method |
|---------------------------------------------------------|--------------------|----------|-------------|
| Density / Specific Gravity                              | 2.50               |          | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in)                     | 7.0E-3             | in/in    | ASTM D955   |
| Water Absorption (24 hr)                                | 0.10               | %        | ASTM D570   |
| Mechanical                                              | Nominal Value      | Unit     | Test Method |
| Tensile Strength (Yield)                                | 6500               | psi      | ASTM D638   |
| Tensile Elongation (Break)                              | 1.0                | %        | ASTM D638   |
| Flexural Modulus                                        | 1.00E+6            | psi      | ASTM D790   |
| Flexural Strength                                       | 7000               | psi      | ASTM D790   |
| Impact                                                  | Nominal Value      | Unit     | Test Method |
| Notched Izod Impact (73°F, 0.125 in)                    | 0.90               | ft·lb/in | ASTM D256   |
| Thermal                                                 | Nominal Value      | Unit     | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed)  | 320                | °F       | ASTM D648   |
| Deflection Temperature Under Load (264 psi, Unannealed) | 180                | °F       | ASTM D648   |
| Electrical                                              | Nominal Value      | Unit     | Test Method |
| Volume Resistivity                                      | 1.0E+13 to 1.0E+14 | ohms·cm  | ASTM D257   |

