

## HiFill® POM 0169 B LE

Techmer Polymer Modifiers - *Acetal (POM) Copolymer*

### General Information

#### General

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Material Status   | • Commercial: Active                              |
| Availability      | • North America                                   |
| Features          | • Copolymer • Low Extractables • Metal Detectable |
| Appearance        | • Colors Available                                |
| Processing Method | • Injection Molding                               |

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

| Physical                                                | Nominal Value | Unit     | Test Method |
|---------------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                              | 1.69          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)               | 8.0           | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow (0.125 in)                     | 0.021         | in/in    | ASTM D955   |
| Water Absorption (24 hr)                                | 0.20          | %        | ASTM D570   |
| Mechanical                                              | Nominal Value | Unit     | Test Method |
| Tensile Strength (Break)                                | 6200          | psi      | ASTM D638   |
| Tensile Elongation (Break)                              | 16            | %        | ASTM D638   |
| Flexural Modulus                                        | 460000        | psi      | ASTM D790   |
| Flexural Strength                                       | 10000         | psi      | ASTM D790   |
| Impact                                                  | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (73°F, 0.125 in)                    | 0.80          | ft·lb/in | ASTM D256   |
| Hardness                                                | Nominal Value | Unit     | Test Method |
| Rockwell Hardness (R-Scale)                             | 100           |          | ASTM D785   |
| Thermal                                                 | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed)  | 320           | °F       | ASTM D648   |
| Deflection Temperature Under Load (264 psi, Unannealed) | 230           | °F       | ASTM D648   |
| CLTE - Flow                                             | 1.2E-5        | in/in/°F | ASTM D696   |

### Notes

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

