

**HiFill® PET 935 GY288**

 Techmer Polymer Modifiers - *Polyethylene Terephthalate*
**General Information**
**Product Description**

Rynite 935 Precolored Grey

**General**

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

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

| <b>Physical</b>   | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
|---|----------------------|-------------|--------------------|
| Density / Specific Gravity                              | 1.59                 |             | ASTM D792          |
| Molding Shrinkage - Flow (0.125 in)                     | 3.0E-3               | in/in       | ASTM D955          |
| Water Absorption (24 hr)                                | 0.040                | %           | ASTM D570          |
| <b>Mechanical</b>                                       | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Tensile Strength  | 7000                 | psi         | ASTM D638          |
| Tensile Elongation (Break)                              | 2.0                  | %           | ASTM D638          |
| Flexural Modulus  | 1.40E+6              | psi         | ASTM D790          |
| Flexural Strength                                       | 12100                | psi         | ASTM D790          |
| <b>Impact</b>   | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Notched Izod Impact (73°F, 0.125 in)                    | 0.90                 | ft·lb/in    | ASTM D256          |
| Unnotched Izod Impact (73°F, 0.125 in)                  | 8.0                  | ft·lb/in    | ASTM D4812         |
| <b>Thermal</b>  | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Deflection Temperature Under Load (66 psi, Unannealed)  | 465                  | °F          | ASTM D648          |
| Deflection Temperature Under Load (264 psi, Unannealed) | 420                  | °F          | ASTM D648          |
| Melting Temperature                                     | 485                  | °F          | ASTM D785          |
| CLTE - Flow   | 9.1E-6               | in/in/°F    | ASTM D696          |
| <b>Electrical</b>                                       | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Surface Resistivity                                     | 1.0E+14              | ohms        | ASTM D257          |
| Volume Resistivity                                      | 1.0E+15              | ohms·cm     | ASTM D257          |
| <b>Flammability</b>                                     | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Flame Rating (0.06 in)                                  | HB                   |             | UL 94              |

