

# RTP 3099 X 99462

Polymethylpentene  
RTP Company

Message:  
Glass Bubbles

| General Information                |                      |                   |             |
|------------------------------------|----------------------|-------------------|-------------|
| Filler / Reinforcement             | Glass Bubble         |                   |             |
| RoHS Compliance                    | Contact Manufacturer |                   |             |
| Processing Method                  | Injection Molding    |                   |             |
| Physical                           | Nominal Value        | Unit              | Test Method |
| Specific Gravity                   | 0.760                | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm) | 0.80 to 1.2          | %                 | ASTM D955   |
| Mechanical                         | Nominal Value        | Unit              | Test Method |
| Tensile Modulus                    | 1720                 | MPa               | ASTM D638   |
| Tensile Strength                   | 12.4                 | MPa               | ASTM D638   |
| Tensile Elongation (Yield)         | 2.0 to 3.0           | %                 | ASTM D638   |
| Flexural Modulus                   | 1380                 | MPa               | ASTM D790   |
| Flexural Strength                  | 20.7                 | MPa               | ASTM D790   |
| Impact                             | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (3.20 mm)      | 13                   | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)    | 53                   | J/m               | ASTM D4812  |
| Injection                          | Nominal Value        | Unit              |             |
| Drying Temperature                 | 79.4                 | °C                |             |
| Drying Time                        | 2.0                  | hr                |             |
| Processing (Melt) Temp             | 266 to 304           | °C                |             |
| Mold Temperature                   | 65.6 to 93.3         | °C                |             |
| Injection Pressure                 | 68.9 to 103          | MPa               |             |

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