

# RTP 200 D GB 30

Polyamide 612

RTP Company

Message:

Glass Bead

| General Information                                        |                                   |                   |             |
|------------------------------------------------------------|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                     | Glass beads, 30% filler by weight |                   |             |
| RoHS Compliance                                            | Contact manufacturer              |                   |             |
| Processing Method                                          | Injection molding                 |                   |             |
| Physical                                                   | Nominal Value                     | Unit              | Test Method |
| Specific Gravity                                           | 1.27                              | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm)                         | 1.5 - 2.0                         | %                 | ASTM D955   |
| Moisture Content                                           | 0.20                              | %                 |             |
| Primary Additive                                           | 30                                | %                 |             |
| Mechanical                                                 | Nominal Value                     | Unit              | Test Method |
| Tensile Modulus                                            | 3450                              | MPa               | ASTM D638   |
| Tensile Strength                                           | 48.3                              | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                                 | 6.5 - 10                          | %                 | ASTM D638   |
| Flexural Modulus                                           | 3790                              | MPa               | ASTM D790   |
| Flexural Strength                                          | 86.2                              | MPa               | ASTM D790   |
| Impact                                                     | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact (3.20 mm)                              | 32                                | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 130                               | J/m               | ASTM D4812  |
| Thermal                                                    | Nominal Value                     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)    | 60.0                              | °C                | ASTM D648   |
| Flammability                                               | Nominal Value                     |                   | Test Method |
| Flame Rating (1.50 mm, ** Values per RTP Company testing.) | HB                                |                   | UL 94       |
| Injection                                                  | Nominal Value                     | Unit              |             |
| Drying Temperature                                         | 79.4                              | °C                |             |
| Drying Time                                                | 4.0                               | hr                |             |
| Dew Point                                                  | -17.8                             | °C                |             |
| Processing (Melt) Temp                                     | 249 - 285                         | °C                |             |
| Mold Temperature                                           | 60.0 - 93.3                       | °C                |             |
| Injection Pressure                                         | 68.9 - 124                        | MPa               |             |
| Injection instructions                                     |                                   |                   |             |

Desiccant Type Dryer Required.

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#### Recommended distributors for this material

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