

# RTP 199 X 86144

Polypropylene  
RTP Company

Message:  
High Gravity Compound - Platable

| General Information                                        |                      |          |             |
|------------------------------------------------------------|----------------------|----------|-------------|
| Features                                                   | High Density         |          |             |
|                                                            | Platable             |          |             |
|                                                            |                      |          |             |
| RoHS Compliance                                            | Contact Manufacturer |          |             |
| Processing Method                                          | Injection Molding    |          |             |
| Physical                                                   | Nominal Value        | Unit     | Test Method |
| Specific Gravity                                           | 2.00                 | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                                  | 2.0 to 5.0           | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow (3.20 mm)                         | 0.80 to 1.4          | %        | ASTM D955   |
| Mechanical                                                 | Nominal Value        | Unit     | Test Method |
| Tensile Modulus                                            | 4140                 | MPa      | ASTM D638   |
| Tensile Strength                                           | 13.8                 | MPa      | ASTM D638   |
| Tensile Elongation (Yield)                                 | 1.0 to 2.0           | %        | ASTM D638   |
| Flexural Modulus                                           | 2760                 | MPa      | ASTM D790   |
| Flexural Strength                                          | 27.6                 | MPa      | ASTM D790   |
| Impact                                                     | Nominal Value        | Unit     | Test Method |
| Notched Izod Impact (3.20 mm)                              | 27                   | J/m      | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 160                  | J/m      | ASTM D4812  |
| 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                                                | 2.0                  | hr       |             |
| Processing (Melt) Temp                                     | 191 to 232           | °C       |             |
| Mold Temperature                                           | 32.2 to 65.6         | °C       |             |
| Injection Pressure                                         | 68.9 to 103          | MPa      |             |

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