

# RTP 142 HI

Polypropylene

RTP Company

Message:

Impact Modified - Calcium Carbonate

| General Information                                        |                                        |                   |             |
|------------------------------------------------------------|----------------------------------------|-------------------|-------------|
| Filler / Reinforcement                                     | Calcium Carbonate,10% Filler by Weight |                   |             |
| Additive                                                   | Impact Modifier                        |                   |             |
| Features                                                   | Impact Modified                        |                   |             |
| RoHS Compliance                                            | Contact Manufacturer                   |                   |             |
| Processing Method                                          | Injection Molding                      |                   |             |
| Physical                                                   | Nominal Value                          | Unit              | Test Method |
| Specific Gravity                                           | 0.970                                  | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm)                         | 1.5 to 1.9                             | %                 | ASTM D955   |
| Mechanical                                                 | Nominal Value                          | Unit              | Test Method |
| Tensile Modulus                                            | 1520                                   | MPa               | ASTM D638   |
| Tensile Strength                                           | 24.8                                   | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                                 | > 10                                   | %                 | ASTM D638   |
| Flexural Modulus                                           | 1240                                   | MPa               | ASTM D790   |
| Flexural Strength                                          | 33.1                                   | MPa               | ASTM D790   |
| Impact                                                     | Nominal Value                          | Unit              | Test Method |
| Notched Izod Impact (3.20 mm)                              | 160                                    | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 1600                                   | J/m               | ASTM D4812  |
| Thermal                                                    | Nominal Value                          | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)    | 48.9                                   | °C                | ASTM D648   |
| Flammability                                               | Nominal Value                          | Test Method       |             |
| Flame Rating (1.50 mm, ** Values per RTP Company testing.) | HB                                     | UL 94             |             |
| Additional Information                                     | Nominal Value                          | Unit              |             |
| Primary Additive                                           | 10                                     | %                 |             |
| 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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