

# RTP 299 X 90078 SSC-63023

Polyamide 66

RTP Company

Message:

Phosphorescent Green

| General Information                                        |               |                      |             |
|------------------------------------------------------------|---------------|----------------------|-------------|
| RoHS Compliance                                            |               | Contact manufacturer |             |
| Appearance                                                 |               | Phosphorescent Green |             |
| Processing Method                                          |               | Injection molding    |             |
| Physical                                                   | Nominal Value | Unit                 | Test Method |
| Specific Gravity                                           | 1.21          | g/cm <sup>3</sup>    | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm)                         | 2.0 - 3.0     | %                    | ASTM D955   |
| Moisture Content                                           | 0.20          | %                    |             |
| Mechanical                                                 | Nominal Value | Unit                 | Test Method |
| Tensile Modulus                                            | 3450          | MPa                  | ASTM D638   |
| Tensile Strength                                           | 68.9          | MPa                  | ASTM D638   |
| Tensile Elongation (Yield)                                 | > 10          | %                    | ASTM D638   |
| Flexural Modulus                                           | 3100          | MPa                  | ASTM D790   |
| Flexural Strength                                          | 110           | MPa                  | ASTM D790   |
| Impact                                                     | Nominal Value | Unit                 | Test Method |
| Notched Izod Impact (3.20 mm)                              | 43            | J/m                  | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 1600          | 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                                                | 4.0           | hr                   |             |
| Dew Point                                                  | -17.8         | °C                   |             |
| Processing (Melt) Temp                                     | 277 - 299     | °C                   |             |
| Mold Temperature                                           | 65.6 - 107    | °C                   |             |
| Injection Pressure                                         | 68.9 - 124    | MPa                  |             |
| Injection instructions                                     |               |                      |             |

Desiccant Type Dryer Required.

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