

# RTP ESD C 200

聚酰胺 66

RTP Company

## Technical Data

### Product Description

ESD Protection - Electrically Conductive

### General

|                   |         |          |
|-------------------|---------|----------|
| Features          | • 导电    | • 静电放电保护 |
| RoHS Compliance   | • 联系制造商 |          |
| Processing Method | • 注射成型  |          |

| Physical                         | 额定值 单位制                | 测试方法      |
|----------------------------------|------------------------|-----------|
| Density / Specific Gravity       | 1.17 g/cm <sup>3</sup> | ASTM D792 |
| Molding Shrinkage - 流动 (3.20 mm) | 1.6 到 2.5 %            | ASTM D955 |
| 含水量                              | 0.20 %                 |           |

| Mechanical              | 额定值 单位制    | 测试方法      |
|-------------------------|------------|-----------|
| Tensile Modulus         | 2550 MPa   | ASTM D638 |
| Tensile Strength        | 51.7 MPa   | ASTM D638 |
| Tensile Elongation (屈服) | 7.0 到 10 % | ASTM D638 |
| Flexural Modulus        | 2480 MPa   | ASTM D790 |
| Flexural Strength       | 82.7 MPa   | ASTM D790 |

| Impact                          | 额定值 单位制 | 测试方法       |
|---------------------------------|---------|------------|
| Notched Izod Impact (3.20 mm)   | 110 J/m | ASTM D256  |
| Unnotched Izod Impact (3.20 mm) | 无断裂     | ASTM D4812 |

| Electrical                | 额定值 单位制          | 测试方法             |
|---------------------------|------------------|------------------|
| Surface Resistivity       |                  |                  |
| --                        | < 1.0E+5 ohms    | ESD STM11.11     |
| --                        | < 1.0E+6 ohms    | ASTM D257        |
| Volume Resistivity        | < 1.0E+3 ohms-cm | ASTM D257        |
| Static Decay <sup>2</sup> | < 2.0 sec        | FTMS 101C 4046.1 |

| Injection              | 额定值 单位制        |
|------------------------|----------------|
| Drying Temperature     | 79 °C          |
| Drying Time            | 4.0 hr         |
| Dew Point              | -18 °C         |
| Processing (Melt) Temp | 277 到 299 °C   |
| Mold Temperature       | 66 到 107 °C    |
| Injection Pressure     | 68.9 到 124 MPa |

### Injection Notes

Desiccant Type Dryer Required.

## 备注

<sup>1</sup> 一般属性：这些不能被视为规格。

<sup>2</sup> MIL-PRF-81705D, 5kV to 50 V, 12% RH