



**Product Data Sheet &  
General Processing Conditions**

**RTP 200 A SPR A  
Nylon 6 (PA)  
Surface Protection  
Preliminary Datasheet**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

| <b>PERMANENCE</b>                 | <b>English</b>             | <b>SI Metric</b> | <b>ASTM TEST</b> |
|-----------------------------------|----------------------------|------------------|------------------|
| Specific Gravity                  | 1.13                       | 1.13             | D 792            |
| <b>MECHANICAL</b>                 |                            |                  |                  |
| Impact Strength, Izod             |                            |                  |                  |
| notched 1/8 in (3.2 mm) section   | 0.8 ft-lbs/in              | 43 J/m           | D 256            |
| unnotched 1/8 in (3.2 mm) section | No Break                   | No Break         | D 4812           |
| Tensile Strength                  | 10300 psi                  | 71 MPa           | D 638            |
| Tensile Elongation                | > 10.0 %                   | > 10.0 %         | D 638            |
| Tensile Modulus                   | 0.40 x 10 <sup>6</sup> psi | 2758 MPa         | D 638            |
| Flexural Strength                 | 14100 psi                  | 97 MPa           | D 790            |
| Flexural Modulus                  | 0.35 x 10 <sup>6</sup> psi | 2413 MPa         | D 790            |

**PROPERTY NOTES**

Data herein is typical and not to be construed as specifications.  
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

**GENERAL PROCESSING FOR INJECTION MOLDING**

|                    | <b>English</b>    | <b>SI Metric</b> |
|--------------------|-------------------|------------------|
| Injection Pressure | 10000 - 15000 psi | 69 - 103 MPa     |
| Melt Temperature   | 470 - 535 °F      | 243 - 279 °C     |
| Mold Temperature   | 130 - 200 °F      | 54 - 93 °C       |
| Drying             | 2 hrs @ 180 °F    | 2 hrs @ 82 °C    |
| Moisture Content   | 0.20 %            | 0.20 %           |
| Dew Point          | 0 °F              | -18 °C           |

**PROCESSING NOTES**

Desiccant Type Dryer Required.