

(+) 18816996168

Ponciplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 141  
Polypropylene (PP)  
Calcium Carbonate**

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

| PERMANENCE                                   | English               | SI Metric     | ASTM<br>TEST |
|----------------------------------------------|-----------------------|---------------|--------------|
| Primary Additive                             | 20 %                  | 20 %          |              |
| Specific Gravity                             | 1.04                  | 1.04          | D 792        |
| Molding Shrinkage<br>1/8 in (3.2 mm) section | 0.0140 - 0.0180 in/in | 1.40 - 1.80 % | D 955        |

**MECHANICAL**

|                                                          |                            |          |        |
|----------------------------------------------------------|----------------------------|----------|--------|
| Impact Strength, Izod<br>notched 1/8 in (3.2 mm) section | 1.0 ft-lbs/in              | 53 J/m   | D 256  |
| unnotched 1/8 in (3.2 mm) section                        | No Break                   | No Break | D 4812 |
| Tensile Strength                                         | 4000 psi                   | 28 MPa   | D 638  |
| Tensile Elongation                                       | > 10.0 %                   | > 10.0 % | D 638  |
| Tensile Modulus                                          | 0.26 x 10 <sup>6</sup> psi | 1793 MPa | D 638  |
| Flexural Strength                                        | 6000 psi                   | 41 MPa   | D 790  |
| Flexural Modulus                                         | 0.23 x 10 <sup>6</sup> psi | 1586 MPa | D 790  |

**THERMAL**

|                                                |              |             |       |
|------------------------------------------------|--------------|-------------|-------|
| Deflection Temperature<br>@ 264 psi (1820 kPa) | 145 °F       | 63 °C       | D 648 |
| Ignition Resistance*<br>Flammability**         | HB @ 1/16 in | HB @ 1.5 mm | D 635 |

**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.

\* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

\*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

|                    | English           | SI Metric     |
|--------------------|-------------------|---------------|
| Injection Pressure | 10000 - 15000 psi | 69 - 103 MPa  |
| Melt Temperature   | 375 - 450 °F      | 191 - 232 °C  |
| Mold Temperature   | 90 - 150 °F       | 32 - 66 °C    |
| Drying             | 2 hrs @ 175 °F    | 2 hrs @ 79 °C |