

(+) 18816996168

Ponciplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 140 HB  
Polypropylene (PP)  
Calcium Carbonate  
UL94 HB**



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

| <b>PERMANENCE</b>               | <b>English</b>        | <b>SI Metric</b> | <b>ASTM<br/>TEST</b> |
|---------------------------------|-----------------------|------------------|----------------------|
| Primary Additive                | 40 %                  | 40 %             |                      |
| Specific Gravity                | 1.22                  | 1.22             | D 792                |
| Molding Shrinkage               |                       |                  |                      |
| 1/8 in (3.2 mm) section         | 0.0110 - 0.0150 in/in | 1.10 - 1.50 %    | D 955                |
| Water Absorption, 24 hrs @ 23°C | 0.030 %               | 0.030 %          | D 570                |

**MECHANICAL**

|                                   |                            |          |        |
|-----------------------------------|----------------------------|----------|--------|
| Impact Strength, Izod             |                            |          |        |
| notched 1/8 in (3.2 mm) section   | 0.6 ft-lbs/in              | 32 J/m   | D 256  |
| unnotched 1/8 in (3.2 mm) section | 29.0 ft-lbs/in             | 1548 J/m | D 4812 |
| Tensile Strength                  | 3300 psi                   | 23 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                 | 6500 psi                   | 45 MPa   | D 790  |
| Flexural Modulus                  | 0.35 x 10 <sup>6</sup> psi | 2413 MPa | D 790  |

**ELECTRICAL**

|                    |               |               |       |
|--------------------|---------------|---------------|-------|
| Volume Resistivity | > 1E15 ohm.cm | > 1E15 ohm.cm | D 257 |
|--------------------|---------------|---------------|-------|

**THERMAL**

|                        |              |             |       |
|------------------------|--------------|-------------|-------|
| Deflection Temperature |              |             |       |
| @ 264 psi (1820 kPa)   | 155 °F       | 68 °C       | D 648 |
| Ignition Resistance*   |              |             |       |
| Flammability           | HB @ 1/16 in | HB @ 1.5 mm | UL94  |

**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.

**GENERAL PROCESSING FOR INJECTION MOLDING**

|                    | <b>English</b>    | <b>SI Metric</b> |
|--------------------|-------------------|------------------|
| 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    |