

(+) 18816996168

Poncioplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 600 SPR  
Acrylonitrile Butadiene Styrene  
(ABS)  
Surface Protection  
Preliminary Datasheet**

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

| <b>PERMANENCE</b>                 | <b>English</b>             | <b>SI Metric</b> | <b>ASTM<br/>TEST</b> |
|-----------------------------------|----------------------------|------------------|----------------------|
| Specific Gravity                  | 1.05                       | 1.05             | D 792                |
| <b>MECHANICAL</b>                 |                            |                  |                      |
| Impact Strength, Izod             |                            |                  |                      |
| notched 1/8 in (3.2 mm) section   | 5.0 ft-lbs/in              | 267 J/m          | D 256                |
| unnotched 1/8 in (3.2 mm) section | No Break                   | No Break         | D 4812               |
| Tensile Strength                  | 5500 psi                   | 38 MPa           | D 638                |
| Tensile Elongation                | > 10.0 %                   | > 10.0 %         | D 638                |
| Tensile Modulus                   | 0.32 x 10 <sup>6</sup> psi | 2206 MPa         | D 638                |
| Flexural Strength                 | 10500 psi                  | 72 MPa           | D 790                |
| Flexural Modulus                  | 0.34 x 10 <sup>6</sup> psi | 2344 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   | 400 - 460 °F      | 204 - 238 °C     |
| Mold Temperature   | 145 - 185 °F      | 63 - 85 °C       |
| Drying             | 2 hrs @ 180 °F    | 2 hrs @ 82 °C    |
| Moisture Content   | 0.10 %            | 0.10 %           |
| Dew Point          | 0 °F              | -18 °C           |

**PROCESSING NOTES**

Desiccant Type Dryer Required.