




**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 144487 A
Polypropylene (PP)
Glass Fiber
Flame Retardant
Preliminary Datasheet**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

| PERMANENCE | English | SI Metric | ASTM TEST |
|-------------------------|-----------------------|------------------|------------------|
| Specific Gravity | 1.49 | 1.49 | D 792 |
| Melt Flow Rate | | | |
| @ 230 °C, / 2.16 kg | 6.00 g/10 min | 6.00 g/10 min | D 1238 |
| Molding Shrinkage | | | |
| 1/8 in (3.2 mm) section | 0.0010 - 0.0030 in/in | 0.10 - 0.30 % | D 955 |

MECHANICAL

| | | | |
|-----------------------------------|----------------------------|-------------|--------|
| Impact Strength, Izod | | | |
| notched 1/8 in (3.2 mm) section | 1.7 ft-lbs/in | 91 J/m | D 256 |
| unnotched 1/8 in (3.2 mm) section | 10.0 ft-lbs/in | 534 J/m | D 4812 |
| Tensile Strength | 10500 psi | 72 MPa | D 638 |
| Tensile Elongation | 2.5 - 3.5 % | 2.5 - 3.5 % | D 638 |
| Tensile Modulus | 1.08 x 10 ⁶ psi | 7447 MPa | D 638 |
| Flexural Strength | 17000 psi | 117 MPa | D 790 |
| Flexural Modulus | 1.04 x 10 ⁶ psi | 7171 MPa | D 790 |

THERMAL

| | | | |
|------------------------------------|------------------|-----------------|----------------|
| Ignition Resistance* | | | |
| Flammability | V-0 @ 1/16 in | V-0 @ 1.5 mm | UL94 |
| Flammability | 5VA @ 1/8 in | 5VA @ 3.0 mm | UL94 |
| Glow Wire Ignitability Temperature | 750 °C @ 1/16 in | 750 °C @ 1.5 mm | IEC 60695-2-13 |
| Glow Wire Flammability Index | 960 °C @ 1/16 in | 960 °C @ 1.5 mm | IEC 60695-2-12 |

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

| | 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 |