



**Product Data Sheet &  
General Processing Conditions**

**RTP 2099 X 115387 C  
Biobased Polyamide (PA)  
Glass Fiber  
PTFE Lubricated  
34% Bio-Content**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.44	1.44	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0030 in/in	0.30 %	D 955
Water Absorption, 24 hrs @ 23°C	0.200 %	0.200 %	D 570

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	3.0 ft-lbs/in	160 J/m	D 256
unnotched 1/8 in (3.2 mm) section	25.0 ft-lbs/in	1335 J/m	D 4812
Tensile Strength	19000 psi	131 MPa	D 638
Tensile Elongation	5.0 %	5.0 %	D 638
Flexural Strength	29000 psi	200 MPa	D 790
Flexural Modulus	1.10 x 10 <sup>6</sup> psi	7584 MPa	D 790

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	400 °F	204 °C	D 648
@ 66 psi (455 kPa)	420 °F	216 °C	D 648
Ignition Resistance* 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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	450 - 500 °F	232 - 260 °C
Mold Temperature	125 - 200 °F	52 - 93 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.20 %	0.20 %
Dew Point	0 °F	-18 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.