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Poncioplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 805
Acetal (POM)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.62	1.62	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0030 - 0.0040 in/in	0.30 - 0.40 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.4 ft-lbs/in	72 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength	16000 psi	110 MPa	D 638
Tensile Elongation	2.0 - 3.0 %	2.0 - 3.0 %	D 638
Tensile Modulus	1.40 x 10 ⁶ psi	9653 MPa	D 638
Flexural Strength	24000 psi	165 MPa	D 790
Flexural Modulus	1.20 x 10 ⁶ psi	8274 MPa	D 790

THERMAL

Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
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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	360 - 425 °F	182 - 218 °C
Mold Temperature	175 - 225 °F	79 - 107 °C
Drying	2 hrs @ 250 °F	2 hrs @ 121 °C
Moisture Content	0.15 %	0.15 %
Dew Point	-25 °F	-32 °C

PROCESSING NOTES

Desiccant Type Dryer Required.