

(+) 18816996168

Ponciplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 2099 X 134503 A
Polycarbonate/Polyester (PC/PBT)
Glass Fiber
Flame Retardant
High Flow**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.62	1.62	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0005 - 0.0015 in/in	0.05 - 0.15 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	3.5 ft-lbs/in	187 J/m	D 256
unnotched 1/8 in (3.2 mm) section	15.0 ft-lbs/in	801 J/m	D 4812
Tensile Strength	21500 psi	148 MPa	D 638
Tensile Elongation	2.0 %	2.0 %	D 638
Tensile Modulus	1.90 x 10 ⁶ psi	13100 MPa	D 638
Flexural Strength	33000 psi	228 MPa	D 790
Flexural Modulus	1.80 x 10 ⁶ psi	12411 MPa	D 790

ELECTRICAL

Dielectric Constant, 1 MHz, Dry	3.4	3.4	D 150
Dissipation Factor, 1 MHz, Dry	0.0030	0.0030	D 150

THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
Ignition Resistance*			
Flammability**	V-0 @ 0.040 in	V-0 @ 1.0 mm	D 3801
Flammability**	5VA @ 1/8 in	5VA @ 3.0 mm	D 5048

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	530 - 600 °F	277 - 316 °C
Mold Temperature	180 - 250 °F	82 - 121 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	< 0.02 %	< 0.02 %
Dew Point	-30 °F	-34 °C

PROCESSING NOTES

Desiccant Type Dryer Required.