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Poncioplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 2201 A
Polyetherketone (PEK)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	15 %	15 %	
Specific Gravity	1.41	1.41	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0040 in/in	0.40 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.1 ft-lbs/in	59 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength	20000 psi	138 MPa	D 638
Tensile Elongation	3.0 %	3.0 %	D 638
Tensile Modulus	1.20 x 10 ⁶ psi	8274 MPa	D 638
Flexural Strength	30000 psi	207 MPa	D 790
Flexural Modulus	0.90 x 10 ⁶ psi	6206 MPa	D 790

THERMAL

Ignition Resistance* Flammability**	V-0 @ 1/16 in	V-0 @ 1.5 mm	D 3801
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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 - 20000 psi	69 - 138 MPa
Melt Temperature	725 - 775 °F	385 - 413 °C
Mold Temperature	355 - 425 °F	179 - 218 °C
Drying	2 hrs @ 355 °F	2 hrs @ 179 °C
Moisture Content	0.10 %	0.10 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Desiccant Type Dryer Required.