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Ponciplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 3500
Fluorinated Ethylene Propylene
(FEP)
Base Resin**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	2.15	2.15	D 792
MECHANICAL			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	No Break	No Break	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	3000 psi	21 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.09 x 10 ⁶ psi	621 MPa	D 638
Flexural Strength	3500 psi	24 MPa	D 790
Flexural Modulus	0.09 x 10 ⁶ psi	621 MPa	D 790
THERMAL			
Ignition Resistance*			
Flammability**	V-0 @ 1/16 in	V-0 @ 1.5 mm	D 3801

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	3000 - 8000 psi	21 - 55 MPa
Melt Temperature	650 - 725 °F	343 - 385 °C
Mold Temperature	200 - 200 °F	93 - 93 °C
Drying	2 - 4 hrs @ 250 °F	2 - 4 hrs @ 121 °C