

(+) 18816996168

Ponciplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 3300
Polyvinylidene Fluoride (PVDF)
Base Resin**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.77	1.77	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0300 in/in	1.50 - 3.00 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.0 ft-lbs/in	107 J/m	D 256
unnotched 1/8 in (3.2 mm) section	25.0 ft-lbs/in	1335 J/m	D 4812
Tensile Strength	6000 psi	41 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.27 x 10 ⁶ psi	1848 MPa	D 638
Flexural Strength	9750 psi	67 MPa	D 790
Flexural Modulus	0.29 x 10 ⁶ psi	1986 MPa	D 790

ELECTRICAL

Dielectric Constant, 1 MHz, Dry	8.0	8.0	D 150
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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 - 15000 psi	69 - 103 MPa
Melt Temperature	410 - 550 °F	210 - 288 °C
Mold Temperature	180 - 220 °F	82 - 104 °C
Drying	2 hrs @ 250 °F	2 hrs @ 121 °C