



**Product Data Sheet &
General Processing Conditions**

**RTP 3381
Polyvinylidene Fluoride (PVDF)
Carbon Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	10 %	10 %	
Specific Gravity	1.77	1.77	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0030 - 0.0050 in/in	0.30 - 0.50 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.4 ft-lbs/in	75 J/m	D 256
unnotched 1/8 in (3.2 mm) section	6.5 ft-lbs/in	347 J/m	D 4812
Tensile Strength	12500 psi	86 MPa	D 638
Tensile Elongation	1.0 - 2.0 %	1.0 - 2.0 %	D 638
Tensile Modulus	1.15 x 10 ⁶ psi	7929 MPa	D 638
Flexural Strength	17500 psi	121 MPa	D 790
Flexural Modulus	0.90 x 10 ⁶ psi	6206 MPa	D 790

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.

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