

DUPONT Delrin[®] 927UV

Acetal Resin

Specifications: Mechanical properties measured at 23°C unless otherwise noted.

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Melt Flow	25 g/10 min	25 g/10 min	190°C, 2.16 kg; ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.0 MPa	10300 psi	50 mm/min; ISO 526-1/-2
Elongation at Break	18 %	18 %	50 mm/min; ISO 526-1/-2
Elongation at Yield	14 %	14 %	ISO 527-1/-2
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA
Thermal Properties	Metric	English	Comments
Melting Point	178 °C	352 °F	ISO 3146C
Deflection Temperature at 1.8 MPa (264 psi)	178 °C	352 °F	ISO 75-1/-2
Processing Properties	Metric	English	Comments
Melt Temperature	210 - 220 °C	410 - 428 °F	
Injection Pressure	90.0 - 110 MPa	13100 - 16000 psi	Hold Pressure