

DUPONT Delrin[®] 900SP

Description: This is a lubricate, high flow acetal resin.

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

Data provided by DuPont Engineering Polymers for the European region.

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Melt Flow	23 g/10 min	23 g/10 min	ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 MPa	9430 psi	ISO 527-1/-2
Tensile Strength, Yield	67.0 MPa	9720 psi	ISO 527-1/-2
Elongation at Break	35 %	35 %	ISO 527-1/-2
Modulus of Elasticity	3.00 GPa	435 ksi	ISO 527-1/-2
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
Thermal Properties	Metric	English	Comments
Melting Point	177 °C	351 °F	ISO 3146C
Processing Properties	Metric	English	Comments
Drying Temperature	80.0 °C	176 °F	
Moisture Content	<= 0.20 %	<= 0.20 %	
Injection Pressure	70.0 - 100 MPa	10200 - 14500 psi	Hold Pressure