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Delrin® 150 NC010 Resin

PROPERTY	NOMINAL VALUES	TEST METHOD
Physical		
Density – Specific Gravity	1.42 g/cm ³	ISO 1183
Melt Mass – Flow Rate (190°C/2.16 kg)	2.3 g/10 min	ISO 1133
Melt Volume – Flow Rate (190°C/2.16 kg)	0.116 in ³ /10 min	ISO 1133
Water Absorption (24h/23C)	0.39 %	ISO 62
Mechanical		
Tensile Modulus (73 °F)	450,000 psi	ISO 527-1, -2
Tensile Stress at Yield (73 °F)	10,400 psi	ISO 527-1, -2
Tensile Strain at Yield (73 °F)	21 %	ISO 527-1, -2
Nominal Tensile Strain at Break (73 °F)	40 %	ISO 527-1, -2
Flexural Modulus (73 °F)	421,000 psi	ISO 178
Thermal		
HDT B (0.45 MPa) Unannealed (Flatwise)	331 °F	ISO 75B-1, -2
HDT A (1.80 MPa) Unannealed (Flatwise)	207 °F	ISO 75A-1, -2
Melting Temperature (DSC)	356 °F	ISO 3146
Impact		
Charpy Notched Impact Strength (Type 1, Edgewise, Notch A) -22 °F 73 °F	4.28 ft-lb/in ² 5.71 ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73 °F) (Type 1, Notch A)	4.76 ft-lb/in ²	ISO 180

*Delrin is a registered trademark of Dupont

**Typical values only. Actual properties of individual batches will vary within specification limits.