



Delrin[®]

acetal resin

PRELIMINARY DATA

Delrin[®] 525GR NC000

Acetal Resin Reinforced with 25% Glass Fibres (ex-DE9191X).

Property	Test Method	Units	Value
Mechanical			
Stress at Break 5mm/min	ISO 527-1/-2	MPa	140
Strain at Break 5mm/min	ISO 527-1/-2	%	3
Tensile Modulus	ISO 527-1/-2	MPa	9500
Flexural Modulus	ISO 178	MPa	8000
Notched Izod Impact	ISO 180/1A	kJ/m ²	9
Notched Charpy Impact -30C	ISO 179/1eA	kJ/m ²	8
23C			8
Unnotched Charpy Impact -30C	ISO 179/1eU	kJ/m ²	66
23C			55
Thermal			
Deflection Temperature 0.45MPa	ISO 75-1/-2	°C	176
1.80MPa			172
Melting Temperature	ISO 3146C	°C	178
Other			
Density	ISO 1183	kg/m ³	1580
Humidity Absorption	ISO 62, Similar to	%	0.17
Water Absorption Equilibrium 50%RH	ISO 62, Similar to	%	1.3
Processing			
Melt Temperature Range		°C	210-220
Drying Time		h	4
Drying Temperature		°C	80
Hold Pressure Range		MPa	80-100

Contact DuPont for MSDS, general guides and/or additional information about ventilation, handling, purging, drying, etc.
Mechanical properties measured at 23°C (73°F) unless otherwise stated.

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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