Delrin®

acetal resin

PRELIMINARY DATA

Delrin® 100AF

20% Teflon® PTFE Fiber in Acetal

Delrin® 100AF is a high viscosity acetal homopolymer containing 20% Teflon® PTFE fibers. It is designed for applications requiring low wear and/or low friction against steel, itself, and other surfaces.

Property	Test Method	Units	Value
Mechanical			
Yield Stress	ISO 527-1/-2	MPa	54
Yield Strain	ISO 527-1/-2	%	10
Nominal Strain at Break	ISO 527-1/-2	%	15
Tensile Modulus	ISO 527-1/-2	MPa	2850
Flexural Modulus	ISO 178	MPa	2400
Notched Izod Impact	ISO 180/1A	kJ/m2	5
Notched Charpy Impact	ISO 179/1eA	kJ/m2	5
Unnotched Charpy Impact	ISO 179/1eU	kJ/m2	70
Other			
Density	ISO 1183	kg/m3	1540
Processing			
Melt Temperature Range		°C	210-220
Mold Temperature Range		°C	80-100
Hold Pressure Range		MPa	90-110

Contact DuPont for Material Safety Data Sheet, 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.

990421/991020