



# Delrin®

acetal resin

## PRELIMINARY DATA

### Delrin® 300AT BK000

Antistatic, Toughened Acetal

Delrin® 300AT (formerly DE9497 BK000) is a new grade with moderate surface conductivity, designed to aid static dissipation of electric charge. It is toughened for better impact properties.

Property	Test Method	Units	Value
<b>Mechanical</b>			
Yield Stress	ISO 527-1/-2	MPa (kpsi)	40 (5.8)
Yield Strain	ISO 527-1/-2	%	13
Tensile Modulus	ISO 527-1/-2	MPa (kpsi)	2100 (300)
Flexural Modulus	ISO 178	MPa (kpsi)	2100 (300)
Notched Izod Impact	ISO 180/1A	kJ/m <sup>2</sup>	7.7
Notched Charpy Impact	ISO 179/1eA	kJ/m <sup>2</sup>	8
<b>Thermal</b>			
Deflection Temperature	ISO 75-1/-2	°C (°F)	
0.45MPa			135 (275)
1.80MPa			70 (158)
Melting Temperature	ISO 3146C	°C (°F)	178 (352)
<b>Rheological</b>			
Melt Flow Rate	ISO 1133	g/10 min	
190°C, 2.16kg			2.3

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

Optimum resistivity values will be obtained using a mold temperature between 80-100C with a medium fill rate.

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

Delrin® is a DuPont registered trademark.

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The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. Caution: Do not use this product in medical applications involving permanent implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-51459 or H-50102.

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## Product Information

### Delrin® 300AT BK000

Property	Test Method	Units	Value
<b>Electrical</b>			
Surface Resistivity	IEC 60093	ohm	1E05
Volume Resistivity	IEC 60093	ohm m	1E03
<b>Other</b>			
Density	ISO 1183	kg/m <sup>3</sup> (g/cm <sup>3</sup> )	1410 (1.41)
Mold Shrinkage		%	
Normal, 4mm ISO bar			1.5
Parallel, 4mm ISO bar			1.7
<b>Processing</b>			
Melt Temperature Range		°C (°F)	200-210 (390-410)
Mold Temperature Range		°C (°F)	80-100 (175-210)
Processing Moisture Content		%	<0.05

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