



Delrin®

acetal resin

PRELIMINARY DATA

Delrin® DE8903 NC010

Lubricated, High Flow Acetal

Delrin® DE8903 is a new grade of Delrin®, lubricated to provide very low wear and/or coefficient of friction against itself, other acetal, or other plastics at high speeds and loads. DE8903 has the improved thermal stability of the Delrin® P resins.

Property	Test Method	Units	Value
Mechanical			
Tensile Strength 5mm/min (0.2in/min)	ASTM D 638	MPa (kpsi)	63.5 (9.1)
Elongation at Break 5mm/min (0.2in/min)	ASTM D 638	%	40
Flexural Modulus	ASTM D 790	MPa (kpsi)	3100 (450)
Izod Impact	ASTM D 256	J/m (ft lb/in)	63 (1.2)
Flow			
Melt Flow Rate 1.05kg at 190C	ASTM D 1238	g/10 min	9
Other			
Specific Gravity	ASTM D 792		1.42
Mold Shrinkage Flow, 24h, 3.2mm (0.126in) Transverse, 24h, 3.2mm (0.126in)	ASTM D 955	%	1.60 1.60
Processing			
Melt Temperature Range		°C (°F)	210-220 (410-430)
Mold Temperature Range		°C (°F)	80-100 (175-210)
Processing Moisture Content		%	<0.1

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.

Delrin® is a DuPont registered trademark.

970808/991019

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