



## Delrin®

acetal resin

### Delrin® 127UV NC010 UV Stabilized Acetal, High Viscosity

Delrin® 127UV is a high viscosity acetal homopolymer with UV stabilizers developed for automotive interior applications. It has improvements in UV aging characteristics and thermal stability over Delrin® 107.

Property	Test Method	Units	Value
<b>Mechanical</b>			
Tensile Strength at Yield 5mm/min (0.2in/min)	ASTM D 638	MPa (kpsi)	67 (9.7)
Elongation at Yield 5mm/min (0.2in/min)	ASTM D 638	%	26
Elongation at Break 5mm/min (0.2in/min)	ASTM D 638	%	75
Tensile Modulus 5mm/min (0.2in/min)	ASTM D 638	MPa (kpsi)	2910 (420)
Flexural Modulus	ASTM D 790	MPa (kpsi)	2800 (410)
Izod Impact	ASTM D 256	J/m (ft lb/in)	120 (2.3)
Unnotched Impact	ASTM D 4812	J/m (ft lb/in)	2310 NB (43.3 NB)
<b>Thermal</b>			
Heat Deflection Temperature 0.45MPa (66psi), Not Annealed	ASTM D 648	°C (°F)	167 (333)
1.8MPa (264psi), Not Annealed			107 (225)
CLTE, Parallel 23 - 55C (73 - 130F)	ASTM E 831	E-4/C	1.27
CLTE, Normal 23 - 55C (73 - 130F)	ASTM E 831	E-4/C	1.22
Melting Point	ASTM D 3418	°C (°F)	178 (352)
<b>Flow</b>			
Melt Flow Rate 1.05kg at 190C	ASTM D 1238	g/10 min	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.

Delrin® is a DuPont registered trademark.

970930/991018

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# Product Information

## Delrin® 127UV NC010

Property	Test Method	Units	Value
<b>Electrical</b>			
Surface Resistivity	ASTM D 257	ohm	1 E15
Volume Resistivity	ASTM D 257	ohm cm	1 E14
Dielectric Constant 1E6 Hz	ASTM D 150		3.3
<b>Flammability</b>			
Rating @ Min. Thickness	UL94		HB
Min. Thickness Tested	UL94	mm (in)	0.84 (0.033)
<b>Other</b>			
Specific Gravity	ASTM D 792		1.42
Mold Shrinkage	ASTM D 955	%	
Flow, 24h, 3.2mm (0.126in)			1.8-2.1
Transverse, 24h, 3.2mm (0.126in)			1.8-2.1
<b>Processing</b>			
Melt Temperature Range		°C (°F)	210-220 (410-430)
Mold Temperature Range		°C (°F)	80-100 (175-210)
Processing Moisture Content		%	<0.2

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