



## Zenite® LCP

liquid crystal polymer resin

### PRELIMINARY DATA

#### Zenite® 3226L BK & WT

**Lubricated 10% Glass, 30% Mineral Reinforced LCP Resin**

Zenite® 3226L is a lubricated 10% glass, 30% mineral reinforced LCP resin having excellent toughness and a DTUL of 248 C. It is well suited for use in the automotive, electrical/electronic, telecommunications, and aerospace industries.

Property	Test Method	Units	Value
<b>Mechanical</b>			
Stress at Break 4mm	ISO 527-1/-2	MPa (kpsi)	131 (19.0)
Strain at Break 4mm	ISO 527-1/-2	%	1.5
Flexural Modulus 4mm	ISO 178	MPa (kpsi)	13150 (1910)
Flexural Strength 4mm	ISO 178	MPa (kpsi)	167 (24.2)
Notched Izod Impact 4mm	ISO 180/1A	kJ/m2	9.2
<b>Thermal</b>			
Deflection Temperature 1.80MPa, 4mm	ISO 75-1/-2	°C (°F)	248 (478)
<b>Flammability</b>			
Rating @ Thickness Thickness Tested		mm	V-0
Black			1.6
White			3

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.

Mechanical properties measured at 3.18mm (0.125in) unless otherwise stated.

During molding, use protective equipment and clothing. Skin contact with molten Zenite® resins can cause severe burns. Be particularly alert during purging.

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

Zenite® is a DuPont registered trademark.

980709/991025

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.

**Start with DuPont Engineering Polymers - [www.dupont.com/enggpolymer](http://www.dupont.com/enggpolymer)**

## Product Information

### Zenite® 3226L BK & WT

Property	Test Method	Units	Value
<b>Temperature Index</b>			
RTI, Electrical	UL 746B	°C (°F)	
3.0mm			130 (266)
Black, 1.5mm			130 (266)
RTI, Mechanical with Impact	UL 746B	°C (°F)	
3.0mm			130 (266)
Black, 1.5mm			130 (266)
RTI, Mechanical without Impact	UL 746B	°C (°F)	
3.0mm			130 (266)
Black, 1.5mm			130 (266)
<b>Other</b>			
Density	ISO 1183	kg/m3 (g/cm3)	
Black			1730 (1.73)
White			1760 (1.76)
Molding Shrinkage	ISO 294-4	%	
Normal			0.27
Parallel			0.0
<b>Processing</b>			
Melt Temperature Range		°C (°F)	345-355 (653-670)
Mold Temperature Range		°C (°F)	30-150 (85-300)
Processing Moisture Content		%	<0.01

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.

Mechanical properties measured at 3.18mm (0.125in) unless otherwise stated.

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

Zenite® is a DuPont registered trademark.

980709/991025

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.

**Start with DuPont Engineering Polymers - [www.dupont.com/enggpolymer](http://www.dupont.com/enggpolymer)**