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

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Product Information

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Property	Test Method	Units	Value
Temperature Index			
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)
Other			
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
Processing			
Melt Temperature Range		°C (°F)	345-355 (653-670)
Mold Temperature Range		°C (°F)	30-150 (85-300)
Processing Moisture Content		%	<0.01

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