

Product Texts

Zenite' 7140X is a 40% glass reinforced liquid crystal polymer resin with improved weldline strength, low post soldering warpage and a heat deflection temperature of 298C.

Flammability at thickness h (0.75 V-0 mm)

UL recognition (h)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	16500	MPa	ISO 527
^[C] Stress at break	120	MPa	ISO 527
^[C] Strain at break	1.5	%	ISO 527
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	352	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	298	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1770	kg/m ³	ISO 1183

[C]: CAMPUS