

Product Texts

Zenite 6244L is a lubricated, 40% glass fiber and mineral reinforced liquid crystal polymer resin. It is well suited for use in the automotive, electrical/electronic, telecommunications, and aerospace industries.

Flammability at thickness h (1.5 V-0 mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	13100	MPa	ISO 527
^[C] Stress at break	112	MPa	ISO 527
^[C] Strain at break	1.5	%	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	269	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	6	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	50	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4.4	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.6	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	130	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	230	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	34	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.02	%	Sim. to ISO 62
^[C] Density	1730	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

Asia Pacific

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical