

Product Texts

Mineral filled grade with low warp, easy flow and smooth surface appearance. Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant FDA compliant. UL-Listing V-0 in natural and black at 1.5mm thickness per UL 94 flame testing. Relative-Temperature-Index (RTI) according to UL 746B: electrical 130°C, mechanical 130°C. UL = Underwriters Laboratories (USA)

Flammability at thickness h (1.5 V-0 mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9000	MPa	ISO 527
^[C] Stress at break	100	MPa	ISO 527
^[C] Strain at break	2.9	%	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	335	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	195	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	10	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	36	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, 1MHz	3.6	-	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	310	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	46	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.008	%	Sim. to ISO 62
^[C] Humidity absorption	0.005	%	Sim. to ISO 62
^[C] Density	1740	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black, Natural Color

Certifications

Food contact, Food approval FDA 21 CFR

Special Characteristics

Flame retardant

Regional Availability

North America, Europe

Features

Low Warpage