

Product Texts

High flow, High Heat resistance, Low Warpage, for Thick Walled (>0.2mm) or thin (< 0.2mm)& Thick Walled combination parts. Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant UL-Listing V-0 in natural and black at 0.4mm thickness per UL 94 flame testing. Relative-Temperature-Index (RTI) according to UL 746B: electricals 130°C, mechanicals 130°C. UL = Underwriters Laboratories (USA)

Flammability at thickness h V-0 -

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	13000	MPa	ISO 527
^[C] Stress at break	110	MPa	ISO 527
^[C] Strain at break	1.1	%	ISO 527
^[C] Charpy impact strength, +23°C	10	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	350	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	315	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	271	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	8	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	17	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	4	-	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	70	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	1E11	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1760	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black, Natural Color

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Low Warpage

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa