

Product Texts

30% glass fiber filled / low injection pressure Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant UL-Listing V-0 in natural and black at 0.75mm 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 (0.75 V-0 mm)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	13000	MPa	ISO 527
^[C] Stress at break	150	MPa	ISO 527
^[C] Strain at break	3	%	ISO 527
^[C] Charpy notched impact strength, -30°C	46	kJ/m ²	ISO 179/1eA

[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	245	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	273	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	5	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	67	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	1E14	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1610	kg/m ³	ISO 1183

[C]: CAMPUS