

Product Texts

15% glass reinforced Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant. FDA compliant UL-Listing V-0 black at 0.75mm thickness per UL 94 flame testing. UL = Underwriters Laboratories (USA)

Flammability at thickness h (0.75 V-0 mm)

UL recognition (h)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	13000	MPa	ISO 527
^[C] Stress at break	160	MPa	ISO 527
^[C] Strain at break	2	%	ISO 527
^[C] Charpy notched impact strength, +23°C	66	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	260	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	298	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	202	°C	ISO 306
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	0.034	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	33	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1460	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black

Certifications

Food contact, Food approval FDA 21 CFR

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific