

Product Texts

Designed for Electrical applications requiring self-extinguishing properties combined with good mechanical performances, this grade meets the most stringent safety requirements for insulating materials.

Flammability @3.2mm nom. thickn.	V-0	-
Flammability @1.6mm nom. thickn.	V-0	-
Flammability @0.8mm nom. thickn.	V-0	-

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	8 / *	cm ³ /10min	ISO 1133
Temperature	230 / *	°C	-
Load	5 / *	kg	-
^[C] Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8800 / 5700	MPa	ISO 527
^[C] Stress at break	130 / 90	MPa	ISO 527
^[C] Strain at break	3 / 7.5	%	ISO 527
^[C] Charpy impact strength, +23°C	58 / 62	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	48 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9 / 14	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	7 / 9	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
^[C] Electric strength	27 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.5 / *	%	Sim. to ISO 62
^[C] Density	- / 1360	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Black

Applications

Automotive, Electrical and Electronical

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific