

Product Texts

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, V0, halogen free, laser markable

Flammability at thickness h (1.6 V-0 mm)

UL recognition (h)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8700	MPa	ISO 527
^[C] Stress at break	82	MPa	ISO 527
^[C] Strain at break	2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	28	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	7.5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6.2	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	143	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	138	°C	ISO 306
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	39.9	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1340	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Features

Chemically Coupled Reinforcement, Laser Markable, Homopolymer

Regional Availability

Europe, Asia Pacific, Near East/Africa