

Product Texts

- polycarbonate
- medium viscosity
- easy release
- UV stabilized
- flame retardant
- chlorine- and bromine-free flame retardancy
- non-reinforced
- good hydrolysis resistance
- impact modified
- Information technology
- electrical/electronic

Partially bio-circular grade / Attributed via mass balance (according to ISCC PLUS Standard).

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	9	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2380	MPa	ISO 527
^[C] Yield stress	58	MPa	ISO 527
^[C] Yield strain	6	%	ISO 527
Flexural modulus, 23°C	2430	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	69	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	33	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	67	kJ/m ²	ISO 180/1A
Izod notched impact strength	26	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	114	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	127	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	134	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	49	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	58	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	2.0	mm	-
^[C] Burning Behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1200	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
[C] Injection Molding, melt temperature	300	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	280 - 300	°C	-
Mold temperature	80	°C	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified, U.V. stabilized or stable to weather

Chemical Resistance

Hydrolytically Stable

Certifications

Contains renewable resources, ISCC Plus

Applications

Electrical and Electronical

Regional Availability

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