

Product Texts

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

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

[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
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	69	kJ/m ²	ISO 179/1eA
Type of failure	P	-	-
Charpy notched impact strength, -30°C	33	kJ/m ²	ISO 179/1eA
Type of failure	C	-	-
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
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
^[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			

Makrolon® FR6020

PC-I FR(40)

Covestro Deutschland AG

[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

Special Characteristics

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

Chemical Resistance

Hydrolytically Stable

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa