

**XANTAR® C CE 407**

(PC+ABS) FR(40)...

Mitsubishi Engineering-Plastics Corporation

Product Texts

Flame Retardant, Vicat 120°C, Extrusion Grade

ISO 1043 (PC+ABS) FR(40)...

[XANTAR® Polycarbonate & Blends, your global partner for innovative added value](#)

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	11	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	5	kg	ISO 1133
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2700	MPa	ISO 527-1/-2
Yield stress	60	MPa	ISO 527-1/-2
Yield strain	4	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	100	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	120	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
UL recognition	UL	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	IEC 60695-11-10
UL recognition	UL	-	-
Oxygen index	32	%	ISO 4589-1/-2
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3	-	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Comparative tracking index	600	-	IEC 60112
Other properties			
ISO Data			
Water absorption	0.6	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183
Rheological calculation properties			
ISO Data			
Density of melt	1010	kg/m ³	-
Thermal conductivity of melt	0.23	W/(m K)	-
Spec. heat capacity of melt	2220	J/(kg K)	-
Eff. thermal diffusivity	1E-7	m ² /s	-

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Ejection temperature

110 °C

-

Test specimen production**Value****Unit****Test Standard****ISO Data**

Injection Molding, melt temperature

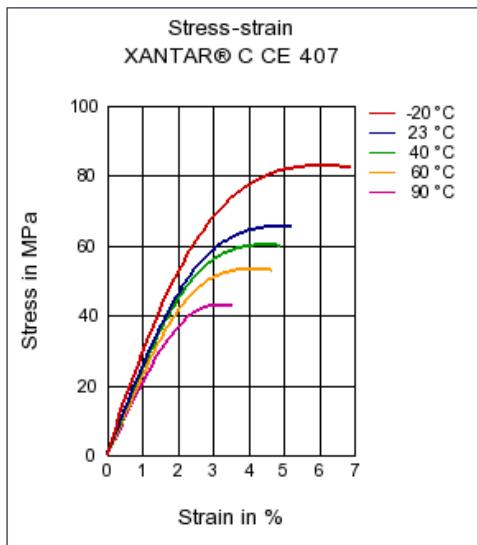
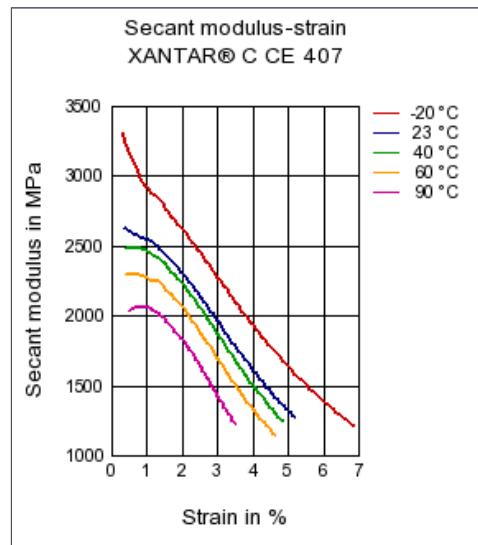
270 °C

ISO 294

Injection Molding, mold temperature

80 °C

ISO 10724

Diagrams**Stress-strain****Secant modulus-strain****Characteristics****Processing**

Profile Extrusion, Other Extrusion

Additives

Release agent

Delivery form

Pellets

Special Characteristics

Flame retardant