XANTAR® C CE 407

Property Data

(PC+ABS) FR(40)...
Flame Retardant, Vicat 120°C, Extrusion Grade

Properties	Typical Data	Unit	Test Method
RHEOLOGICAL PROPERTIES			
Melt volume-flow rate	**11**	cm³/10min	ISO 1133
Temperature	**260**	°C	ISO 1133
Load	**5**	kg	ISO 1133
Molding shrinkage (parallel)	**0.5**	%	ISO 294-4
MECHANICAL PROPERTIES			
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/m²	ISO 179/1eU
Charpy impact strength (-30°C)	**N**	kJ/m²	ISO 179/1eU
Izod notched impact strength (23°C)	**80**	kJ/m²	ISO 180/4A
Izod notched impact strength (-20°C)	**60**	kJ/m²	ISO 180/4A
THERMAL PROPERTIES			
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
Burning Behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**3**	mm	IEC 60695-11-10
Oxygen index	**32**	%	ISO 4589-1/-2
Ball pressure temperature	**110**	°C	IEC 60695-10-2
Glow Wire Flammability Index GWFI	**960**	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	**1.5**	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	**960**	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	**3**	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	**800**	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	**1.5**	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	**800**	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	**3**	mm	IEC 60695-2-13
ELECTRICAL PROPERTIES			
Relative permittivity (1 MHz)	**3**	-	IEC 60250
Volume resistivity	**>1E13**	Ohm*m	IEC 60093
Surface resistivity	**>1E15**	Ohm	IEC 60093
Comparative tracking index	**600**	-	IEC 60112
Comparative tracking index (PLC)	**0**	class	UL 746A

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OTHER PROPERTIES			
Water absorption	**0.6**	%	Sim. to ISO 62
Density	**1190**	kg/m³	ISO 1183

RHEOLOGICAL CALCULATION PROPERTIES			
Thermal conductivity of melt	**0.23**	W/(m K)	-