



Stanyl

Datasheet TE250F9 - 00001

45% GF reinforced, flame retardant, grade for E/E applications

Typical properties

	Unit	ISO/IEC	DIN	Grade TE250F9
General properties				
Density	g/cm ³	ISO 1183	53479	1,82
Melting temperature	°C	ISO 3146		295
Temperature properties				
HDT-A (1.8 MPa)	°C	ISO 75-1	53461	290
Peak temperature (1min.)	°C	UL 746B		-
Continuous use temperature	°C	IEC 60216		163
- 5000 hrs				
Coeff. linear thermal expansion	E-4/K	DIN 53752		
- // (23-55°C)				0,2
- ⊥ (23-55°C)				0,8
Electrical properties				
RTI electrical	°C,mm	UL 746B		*
Insulation class	-	UL 1446		*
Flammability (at thickness)	class(mm)	UL 94		V-0 (0.8)
Comparative tracking index (CTI)	PLC	IEC 60112		2
Electric strength	kV/mm	IEC 60243-1		
- dry (23°C)				30
- con (23°C/50%RH)				20
Volume resistivity	Ohm.cm	IEC 60093		
- dry (23°C)				1E+15
- con (23°C/50%RH)				1E+10
Mechanical properties				
Izod impact strength (notched)	kJ/m ²	ISO 180-1A		
- dry (23°C)				13
- con (23°C/50%RH)				15
Tensile strength	MPa	ISO 527-1	53455	
- dry (23°C)				200
- con (23°C/50%RH)				130
Tensile Modulus	MPa	ISO 527-1	53457	
- dry (23°C)				17000
- con (23°C/50%RH)				12000
Strain at break	%	ISO 527-1	53455	
- dry (23°C)				2
- con (23°C/50%RH)				3
Dimensional properties				
Moulding shrinkage	%	DSM		
- //				0,3
- ⊥				0,9
Humidity absorption (equi. 23°C/50%RH)	%	ISO 62		1,2

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