



Stanyl

Datasheet TE250F8 - 00001

40% GF reinforced, flame retardant, grade for E/E applications

Typical properties

	Unit	ISO/IEC	DIN	Grade TE250F8
General properties				
Density	g/cm ³	ISO 1183	53479	1,77
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		H
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)				12
- con (23°C/50%RH)				14
Tensile strength	MPa	ISO 527-1	53455	
- dry (23°C)				180
- con (23°C/50%RH)				130
Tensile Modulus	MPa	ISO 527-1	53457	
- dry (23°C)				14500
- con (23°C/50%RH)				12000
Strain at break	%	ISO 527-1	53455	
- dry (23°C)				1,7
- con (23°C/50%RH)				2,5
Dimensional properties				
Moulding shrinkage	%	DSM		
- //				0,3
- ⊥				0,9
Humidity absorption (equi. 23°C/50%RH)	%	ISO 62		1,3

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but DSM assumes no liability whatsoever in respect of the application, processing or use made of the aforementioned information or products, or any consequence thereof. The User undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify, or any consequences thereof. No liability whatsoever shall attach to DSM for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the user.

DSM Kunststoffen BV. Trade Register Heerlen 31943

DSM



Engineering Plastics

9701/2.0

DSM ENGINEERING PLASTICS