

Arnite® AV2 365 SN						
PET-GF33 FR(17)	DSM Engineering Plastics					
Product Texts						
33% Glass Reinforced, Flame Retardant						
ISO 1043 PET-GF33 FR(17)						
Arnite website						
Mechanical properties	Value	Unit	Test Standard			
ISO Data						
Tensile Modulus	13500	MPa	ISO 527-1/-2			
Stress at break	165	MPa	ISO 527-1/-2			
Strain at break	2	%	ISO 527-1/-2			
Charpy impact strength (+23°C)	50	kJ/m ²	ISO 179/1eU			
Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU			
Charpy notched impact strength (+23°C)	10	kJ/m ²	ISO 179/1eA			
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA			
Thermal properties	Value	Unit	Test Standard			
ISO Data						
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3			
Temp. of deflection under load (1.80 MPa)	240	°C	ISO 75-1/-2			
Temp. of deflection under load (0.45 MPa)	250	°C	ISO 75-1/-2			
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2			
Coeff. of linear therm. expansion, normal	65	E-6/K	ISO 11359-1/-2			
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	0.4	mm	IEC 60695-11-10			
UL recognition	UL	-	-			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20			
Thickness tested	2.1	mm	IEC 60695-11-20			
UL recognition	UL	-	-			
Electrical properties	Value	Unit	Test Standard			
ISO Data						
Relative permittivity, 100Hz	3.5	-	IEC 60250			
Relative permittivity, 1MHz	3.8	-	IEC 60250			
Dissipation factor, 100Hz	10	E-4	IEC 60250			
Dissipation factor, 1MHz	140	E-4	IEC 60250			
Volume resistivity	>1E13	Ohm*m	IEC 60093			
Comparative tracking index	200	-	IEC 60112			
Other properties	Value	Unit	Test Standard			
ISO Data						
Water absorption	0.4	%	Sim. to ISO 62			
Humidity absorption	0.12	%	Sim. to ISO 62			
Density	1750	kg/m ³	ISO 1183			
Rheological calculation properties	Value	Unit	Test Standard			
ISO Data						
Density of melt	1350	kg/m ³	-			
Thermal conductivity of melt	0.195	W/(m K)	-			

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DSM Engineering Plastics

Spec. heat capacity of melt

1670

J/(kg K)

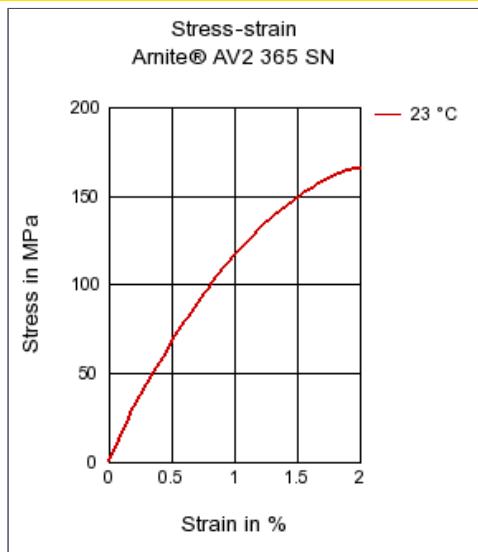
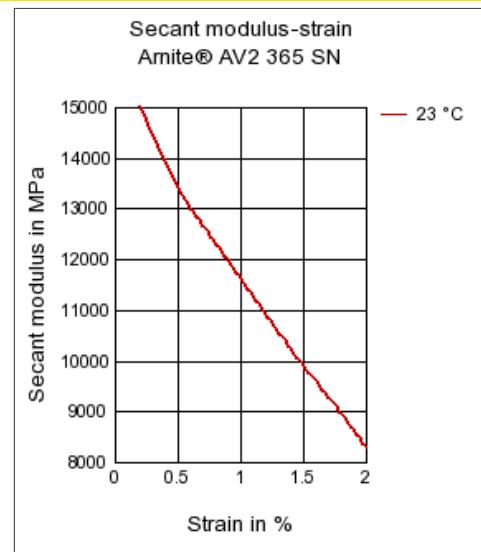
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Eff. thermal diffusivity

8.67E-8

m²/s

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

Injection Molding

Additives

Release agent

Delivery form

Pellets

Special Characteristics

Flame retardant

Other text information**Injection Molding**[Injection Molding Recommendations](#)