


**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
<b>ISO Data</b>			
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/m²	ISO 179/1eU
Charpy impact strength, -30°C	50	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m²	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
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	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
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
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1750	kg/m³	ISO 1183
<b>Rheological calculation properties</b>			
<b>ISO Data</b>			
Density of melt	1350	kg/m³	-
Thermal conductivity of melt	0.195	W/(m K)	-

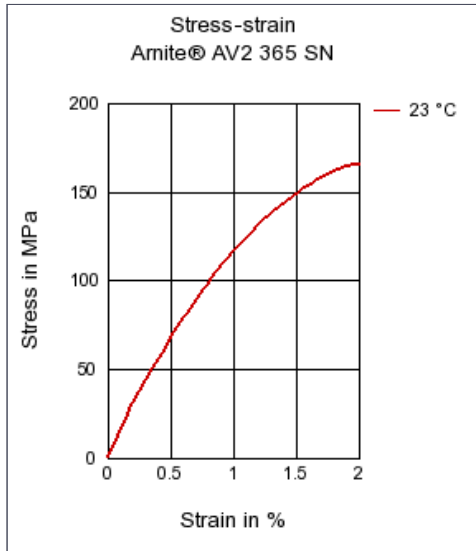
**Arnite® AV2 365 SN**  
**PET-GF33 FR(17)**

DSM Engineering Plastics

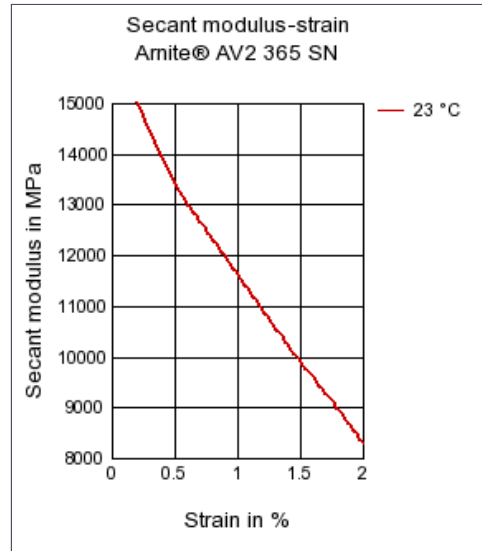
Spec. heat capacity of melt	1670	J/(kg K)	-
Eff. thermal diffusivity	8.67E-8	m²/s	-

**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](#)