

<b>Arnite® AV2 360 S</b>						
PET-GF33 FR(17)	DSM Engineering Plastics					
<b>Product Texts</b>						
33% Glass Reinforced, Flame Retardant						
ISO 1043 PET-GF33 FR(17)						
<a href="#">Arnite website</a>						
<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Tensile Modulus	13000	MPa	ISO 527-1/-2			
Stress at break	160	MPa	ISO 527-1/-2			
Strain at break	2	%	ISO 527-1/-2			
Charpy impact strength (+23°C)	35	kJ/m <sup>2</sup>	ISO 179/1eU			
Charpy impact strength, -30°C	35	kJ/m <sup>2</sup>	ISO 179/1eU			
Charpy notched impact strength (+23°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA			
Charpy notched impact strength, -30°C	8	kJ/m <sup>2</sup>	ISO 179/1eA			
<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3			
Temp. of deflection under load (1.80 MPa)	235	°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-2	class	IEC 60695-11-10			
Thickness tested	0.7	mm	IEC 60695-11-10			
UL recognition	UL	-	-			
Oxygen index	36	%	ISO 4589-1/-2			
<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Relative permittivity, 100Hz	3.7	-	IEC 60250			
Relative permittivity, 1MHz	3.4	-	IEC 60250			
Dissipation factor, 100Hz	10	E-4	IEC 60250			
Dissipation factor, 1MHz	120	E-4	IEC 60250			
Volume resistivity	>1E13	Ohm*m	IEC 60093			
Electric strength	29	kV/mm	IEC 60243-1			
Comparative tracking index	225	-	IEC 60112			
<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Water absorption	0.4	%	Sim. to ISO 62			
Humidity absorption	0.12	%	Sim. to ISO 62			
Density	1730	kg/m <sup>3</sup>	ISO 1183			
<b>Rheological calculation properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>			
<b>ISO Data</b>						
Density of melt	1350	kg/m <sup>3</sup>	-			
Thermal conductivity of melt	0.195	W/(m K)	-			
Spec. heat capacity of melt	1670	J/(kg K)	-			

**Arnite® AV2 360 S**

PET-GF33 FR(17)

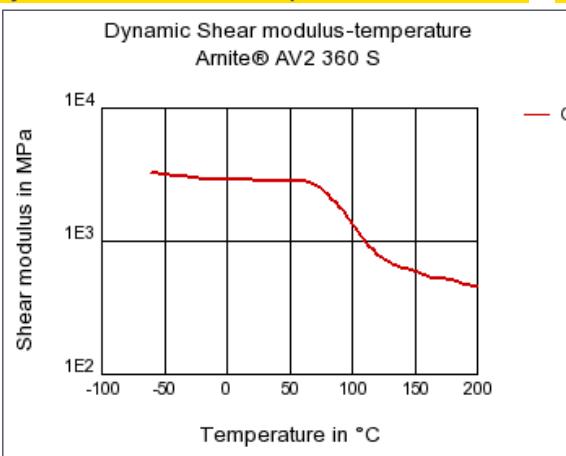
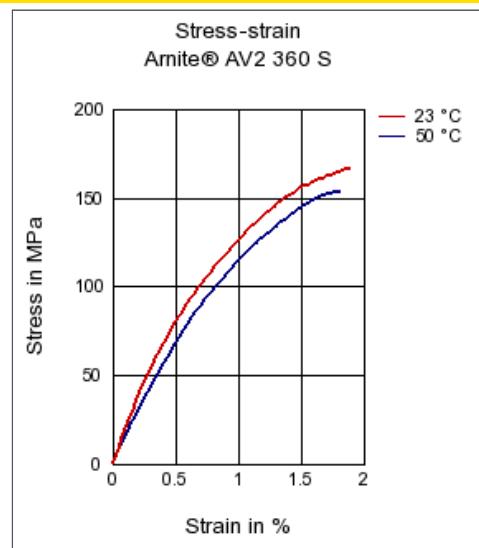
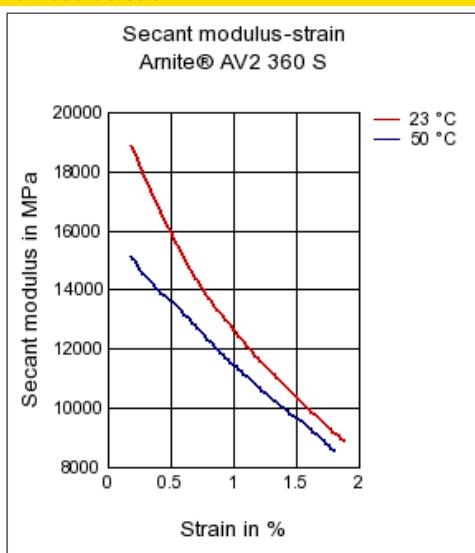
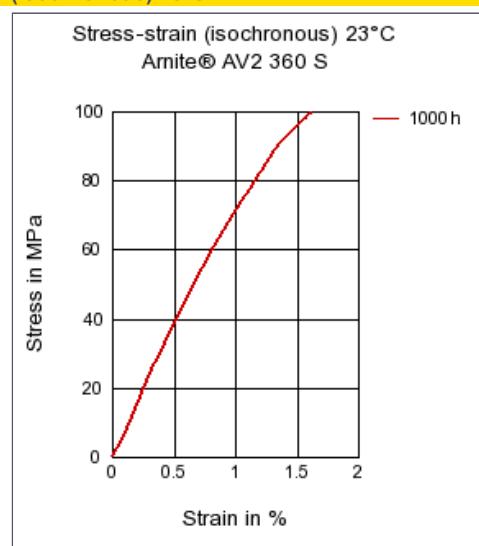
DSM Engineering Plastics

Eff. thermal diffusivity

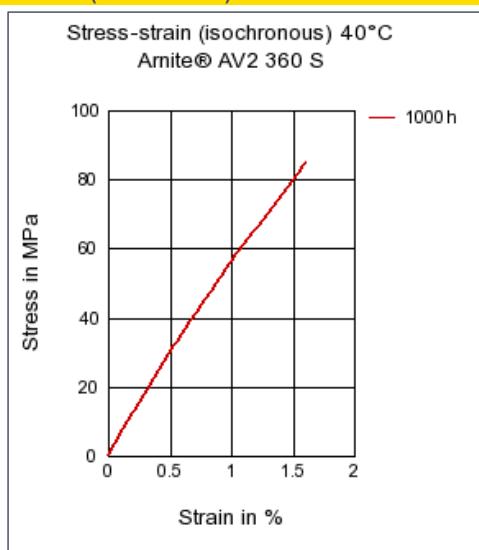
8.67E-8

m<sup>2</sup>/s

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**Diagrams****Dynamic Shear modulus-temperature****Stress-strain****Secant modulus-strain****Stress-strain (isochronous) 23°C**

## Stress-strain (isochronous) 40°C



## Characteristics

## Processing

Injection Molding

## Additives

Release agent

## Delivery form

Pellets

## Special Characteristics

Flame retardant

## Other text information

## Injection Molding

[Injection Molding Recommendations](#)