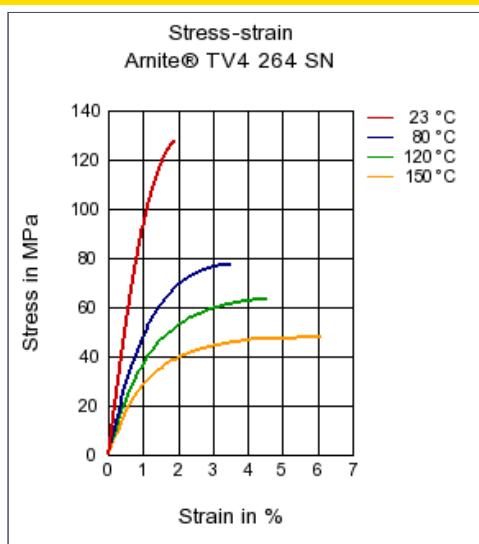


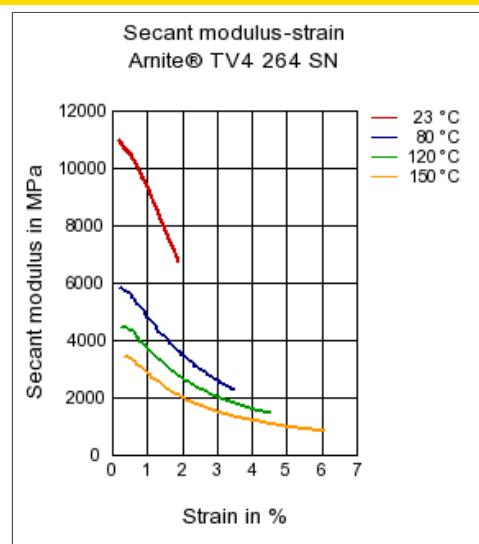
Arnite® TV4 264 SN						
PBT-GF30 FR(17)	DSM Engineering Plastics					
Product Texts						
30% Glass Reinforced, Flame Retardant						
ISO 1043 PBT-GF30 FR(17)						
Arnite website						
Mechanical properties	Value	Unit	Test Standard			
ISO Data						
Tensile Modulus	11500	MPa	ISO 527-1/-2			
Stress at break	130	MPa	ISO 527-1/-2			
Strain at break	2	%	ISO 527-1/-2			
Charpy impact strength (+23°C)	45	kJ/m ²	ISO 179/1eU			
Charpy impact strength, -30°C	45	kJ/m ²	ISO 179/1eU			
Charpy notched impact strength (+23°C)	8	kJ/m ²	ISO 179/1eA			
Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA			
Thermal properties	Value	Unit	Test Standard			
ISO Data						
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3			
Temp. of deflection under load (1.80 MPa)	210	°C	ISO 75-1/-2			
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2			
Coeff. of linear therm. expansion, parallel	35	E-6/K	ISO 11359-1/-2			
Coeff. of linear therm. expansion, normal	70	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	0.8	mm	IEC 60695-11-10			
UL recognition	UL	-	-			
Electrical properties	Value	Unit	Test Standard			
ISO Data						
Relative permittivity, 100Hz	3.7	-	IEC 60250			
Relative permittivity, 1MHz	3.5	-	IEC 60250			
Dissipation factor, 100Hz	20	E-4	IEC 60250			
Dissipation factor, 1MHz	160	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						
Density	1700	kg/m ³	ISO 1183			
Rheological calculation properties	Value	Unit	Test Standard			
ISO Data						
Density of melt	1440	kg/m ³	-			
Thermal conductivity of melt	0.153	W/(m K)	-			
Spec. heat capacity of melt	1740	J/(kg K)	-			
Eff. thermal diffusivity	6.12E-8	m ² /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](#)