

**Arnite® TV4 260 SXF**

PBT-GF30 FR(17)

DSM Engineering Plastics

**Product Texts**

30% Glass Reinforced, Flame Retardant, High Flow

ISO 1043 PBT-GF30 FR(17)

[Arnite website](#)**Mechanical properties****ISO Data**

	Value	Unit	Test Standard
Tensile Modulus	11000	MPa	ISO 527-1/-2
Stress at break	130	MPa	ISO 527-1/-2
Strain at break	2.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties****ISO Data**

	Value	Unit	Test Standard
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
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	IEC 60695-11-10

**Electrical properties****ISO Data**

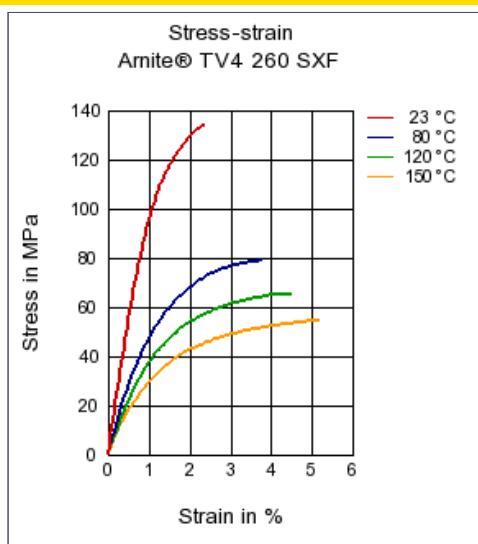
	Value	Unit	Test Standard
Relative permittivity, 100Hz	4	-	IEC 60250
Relative permittivity, 1MHz	3.8	-	IEC 60250
Dissipation factor, 100Hz	25	E-4	IEC 60250
Dissipation factor, 1MHz	140	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Electric strength	28	kV/mm	IEC 60243-1
Comparative tracking index	275	-	IEC 60112

**Other properties****ISO Data**

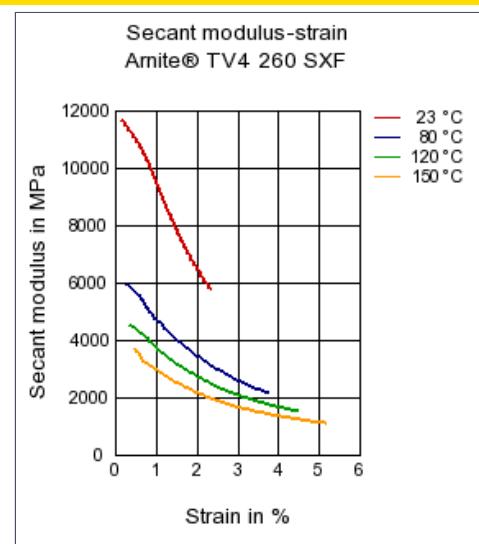
	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1680	kg/m <sup>3</sup>	ISO 1183

## 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](#)