


Arnite® TV6 241 T
PBT-I-GF20

DSM Engineering Plastics

Product Texts

20% Glass Reinforced, Improved Impact

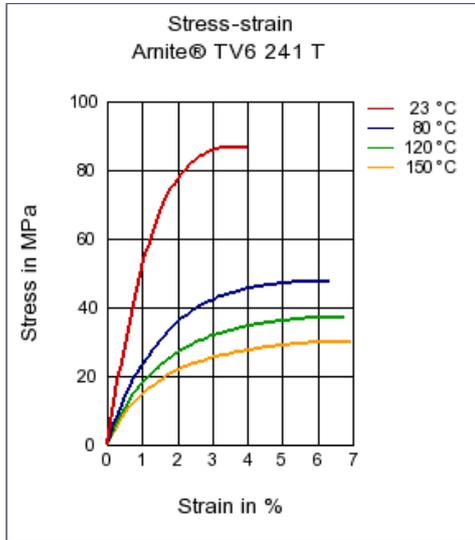
ISO 1043 PBT-I-GF20

[Arnite website](#)

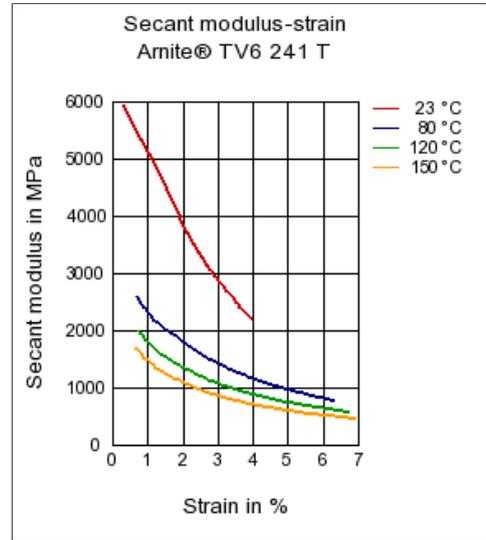
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	15	cm ³ /10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	6000	MPa	ISO 527-1/-2
Stress at break	85	MPa	ISO 527-1/-2
Strain at break	4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	17	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	190	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	IEC 60695-11-10
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 60093
Other properties			
ISO Data			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Additives

Release agent

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Other text information

Injection Molding

[Injection Molding Recommendations](#)