


Arnite® TV4 220
PBT-GF10

DSM Engineering Plastics

Product Texts

10% Glass Reinforced

ISO 1043 PBT-GF10

[Arnite website](#)
Rheological properties

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	21	cm ³ /10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4500	MPa	ISO 527-1/-2
Stress at break	80	MPa	ISO 527-1/-2
Strain at break	5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	30	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	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
Coeff. of linear therm. expansion, parallel	60	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	1.5	mm	IEC 60695-11-10

Electrical properties

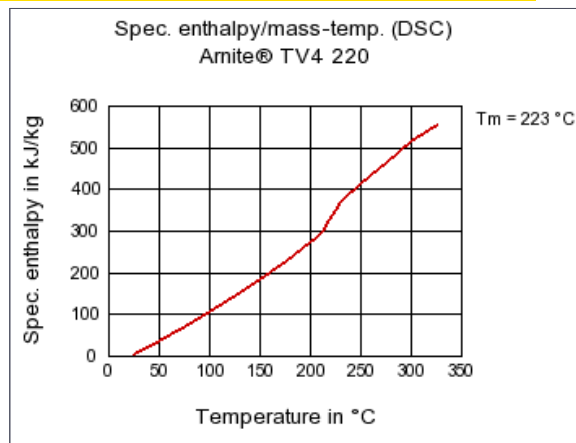
	Value	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 60093

Other properties

	Value	Unit	Test Standard
ISO Data			
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.16	%	Sim. to ISO 62
Density	1370	kg/m ³	ISO 1183

Diagrams

Spec. enthalpy/mass-temp. (DSC)



Characteristics

Processing

Injection Molding

Additives

Release agent

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)