


Arnite® TV4 290
PBT-GF50

DSM Engineering Plastics

Product Texts

50% Glass Reinforced

ISO 1043 PBT-GF50

[Arnite website](#)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15600	MPa	ISO 527-1/-2
Stress at break	145	MPa	ISO 527-1/-2
Strain at break	1.8	%	ISO 527-1/-2
Charpy impact strength (+23°C)	53	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11.5	kJ/m²	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)	215	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-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	1720	kg/m³	ISO 1183

Characteristics
Processing

Injection Molding

Additives

Release agent

Delivery form

Pellets

Other text information
Injection Molding
[Injection Molding Recommendations](#)