

**Arnite® AV2 340**

PET-GF20

DSM Engineering Plastics

**Product Texts**

20% Glass Reinforced

ISO 1043 PET-GF20

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

	Value	Unit	Test Standard
Tensile Modulus	8500	MPa	ISO 527-1/-2
Stress at break	150	MPa	ISO 527-1/-2
Strain at break	2.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	9	kJ/m <sup>2</sup>	ISO 179/1eA

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

	Value	Unit	Test Standard
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	225	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	245	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	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.	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**

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

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

	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Humidity absorption	0.25	%	Sim. to ISO 62
Density	1520	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

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