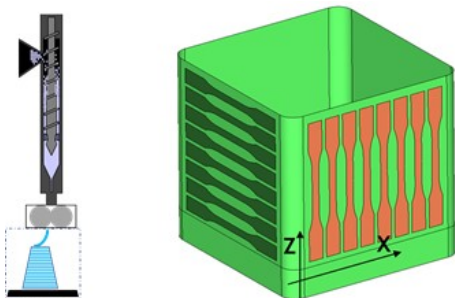


Arnite® AM8527 (G)

PET-GF



Properties	Typical Data	Unit	Test Method
Mechanical properties		Value	
Tensile modulus (3D printed: flat X-X direction)	18000	MPa	ISO 527-1/-2
Stress at break (3D printed: flat X-X direction)	120	MPa	ISO 527-1/-2
Strain at break (3D printed: flat X-X direction)	0.8	%	ISO 527-1/-2
Tensile modulus (3D printed: on-edge X-Z direction)	7000	MPa	ISO 527-1/-2
Stress at break (3D printed: on-edge X-Z direction)	20	MPa	ISO 527-1/-2
Strain at break (3D printed: on-edge X-Z direction)	0.5	%	ISO 527-1/-2
Thermal properties		Value	
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	75	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	232	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	250	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.25	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.35	E-4/°C	ISO 11359-1/-2



Property Data (Provisional)

Arnite[®] AM8527 (G)

Properties	Typical Data	Unit	Test Method
Other properties	Value		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1780	kg/m ³	ISO 1183

