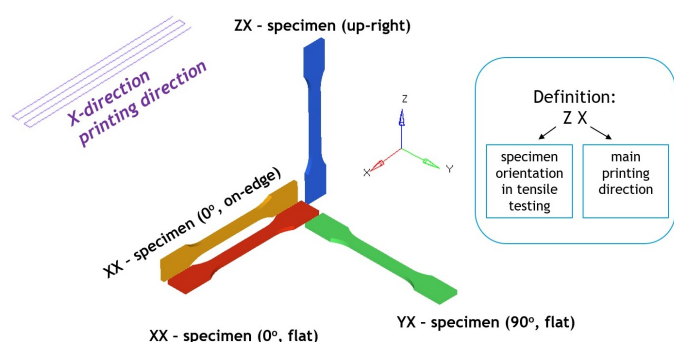


# Arnite® AM8527 (G)

## PET-GF

Print Date: 2021-02-23



Properties	Typical Data	Unit	Test Method
<b>Mechanical Properties (3D printed)</b>	<b>Value</b>		
Tensile modulus (X-X direction, on-edge)	20000	MPa	Sim. to ISO 527-1/-2
Tensile modulus (Z-X direction, up-right)	7000	MPa	Sim. to ISO 527-1/-2
Stress at break (X-X direction, on-edge)	205	MPa	Sim. to ISO 527-1/-2
Stress at break (Z-X direction, up-right)	20	MPa	Sim. to ISO 527-1/-2
Strain at break (X-X direction, on-edge)	1.2	%	Sim. to ISO 527-1/-2
Strain at break (Z-X direction, up-right)	0.3	%	Sim. to ISO 527-1/-2
<b>Thermal properties</b>	<b>Value</b>		
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	75	°C	ISO 11357-1/-2
<b>Thermal properties (injection molded)</b>	<b>Value</b>		
Temp. of deflection under load (1.80 MPa)	232	°C	ISO 75-1/-2

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## Property Data

# Arnite<sup>®</sup> AM8527 (G)

Print Date: 2021-02-23

Properties	Typical Data	Unit	Test Method
Temp. of deflection under load (0.45 MPa)	250	°C	ISO 75-1/-2
<b>Other properties</b>	<b>Value</b>		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1780	kg/m <sup>3</sup>	ISO 1183

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