

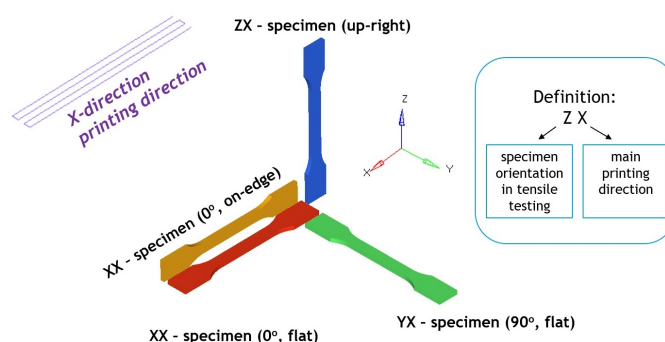
# Arnitel® ID2045

## TPC

>50% Renewable Content, 3D printing grade

Print Date: 2021-02-27

The material passed the ISO irritation, ISO cytotox and the USP VI tests.



Properties	Typical Data	Unit	Test Method
<b>Mechanical Properties (3D printed)</b>	<b>Value</b>		
Tensile modulus (X-X direction, flat)	29	MPa	Sim. to ISO 527-1/-2
Stress at yield (X-X direction, flat)	8	MPa	Sim. to ISO 527-1/-2
Strain at break (X-X direction, flat)	350	%	Sim. to ISO 527-1/-2
<b>Thermal properties</b>	<b>Value</b>		
Melting temperature (10°C/min)	158	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	-35	°C	ISO 11357-1/-2
<b>Rheological properties</b>	<b>Value</b>		
Melt volume-flow rate	45	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133

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## Property Data (Provisional)

# Arnitel<sup>®</sup> ID2045

Print Date: 2021-02-27

Properties	Typical Data	Unit	Test Method
<b>Other properties</b>	<b>Value</b>		
Humidity absorption	0.04	%	Sim. to ISO 62
Density	1100	kg/m <sup>3</sup>	ISO 1183
Biobased content	52	% (Bio C/Total C)	ASTM D6866-12 Method B

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