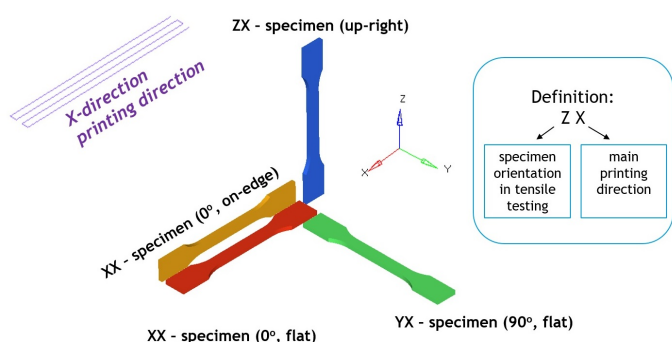


Arnitel® ID2060 HT TPC

3D printing grade, 100% Recyclable, for High Temperature Applications

Print Date: 2021-04-07



Properties	Typical Data	Unit	Test Method
Mechanical properties (injection molded)	Value		
Stress at break	32	MPa	ISO 527-1/-2
Strain at break	>50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Mechanical Properties (3D printed)	Value		
Tensile modulus (X-X direction, flat)	230	MPa	Sim. to ISO 527-1/-2
Tensile modulus (X-X direction, on-edge)	240	MPa	Sim. to ISO 527-1/-2
Tensile modulus (Z-X direction, up-right)	220	MPa	Sim. to ISO 527-1/-2
Stress at break (X-X direction, flat)	21	MPa	Sim. to ISO 527-1/-2
Stress at break (X-X direction, on-edge)	35	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, flat)	245	%	Sim. to ISO 527-1/-2
Strain at break (X-X direction, on-edge)	510	%	Sim. to ISO 527-1/-2

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Property Data

Arnitel[®] ID2060 HT

Print Date: 2021-04-07

Properties	Typical Data	Unit	Test Method
Strain at break (Z-X direction, up-right)	55	%	Sim. to ISO 527-1/-2
Thermal properties		Value	
Melting temperature (10°C/min)	208	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	-10	°C	ISO 11357-1/-2
Rheological properties		Value	
Melt volume-flow rate	9	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Other properties		Value	
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1270	kg/m ³	ISO 1183

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