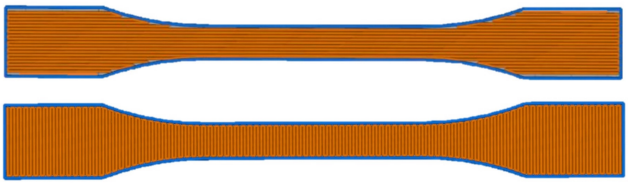
Arnitel®

Arnitel® ID 2060-HT

TPC

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

Print Date: 2019-09-11



Upper figure: Flat X-X Direction
Lower figure: Flat Y-X Direction

Properties	Typical Data	Unit	Test Method
Mechanical properties	**Value**		
Tensile modulus (3D printed: flat X-X direction)	230	MPa	ISO 527-1/-2
Stress at break (3D printed: flat X-X direction)	21	MPa	ISO 527-1/-2
Strain at break (3D printed: flat X-X direction)	245	%	ISO 527-1/-2
Tensile modulus (3D printed: on-edge X-Z direction)	240	MPa	ISO 527-1/-2
Stress at break (3D printed: on-edge X-Z direction)	35	MPa	ISO 527-1/-2
Strain at break (3D printed: on-edge X-Z direction)	510	%	ISO 527-1/-2
Tensile modulus (3D printed: upright Z direction)	220	MPa	ISO 527-1/-2
Stress at break (3D printed: upright Z direction)	20	MPa	ISO 527-1/-2
Strain at break (3D printed: upright Z direction)	55	%	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
Vicat softening temperature (50°C/h 10N)	190	°C	ISO 306
Vicat softening temperature (50°C/h 50N)	90	°C	ISO 306

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	Value		
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1270	kg/m³	ISO 1183
Material specific properties	Value		
Shore D Hardness (3s)	61	-	ISO 868