VICTREX® AM™ 200 FIL

PAEK — Victrex plc

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**303**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**154**	°C	ISO 11357-1/-2

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	**2600**[1]	MPa	-
Tensile modulus, on-edge	**2400**[2]	MPa	-
Tensile modulus, upright	**2200**[3]	MPa	-
Yield stress, flat	**51**[4]	MPa	-
Yield stress, on-edge	**57**[5]	MPa	-
Yield stress, upright	**39**[6]	MPa	-
Strain at break, flat	**24**[4]	%	-
Strain at break, on-edge	**17**[5]	%	-
Strain at break, upright	**6**[6]	%	-

1: Amorphous as printed, XY Orientation, Test method ISO 527-1 2: Amorphous as printed, YZ Orientation, Test method ISO 527-1 3: Amorphous as printed, ZX Orientation, Test method ISO 527-1 4: Amorphous as printed, XY Orientation, Test method ISO 527-2 5: Amorphous as printed, YZ Orientation, Test method ISO 527-2 6: Amorphous as printed, ZX Orientation, Test method ISO 527-2

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**5**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**380 - 400**	°C	-

Characteristics

Processing
Additive Manufacturing

Delivery form
Natural Color

Special Characteristics
Heat stabilized or stable to heat, Sterilizable

Features
Low Emission

Chemical Resistance
General Chemical Resistance

Applications
Filament for 3D Printing

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa