Technical Datasheet

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Product:
MAYER MAKES Engineering Resin

3D printable engineering material, for use on commonly availabe consumer 3d Printers Impact resistant and easy to print, includes visual curing indicator.

Specimen printed in ZXY Orientation (ISO 52921) and examined according to ISO 17296-3	
Printing parameters	
	Specimens printed on an Phrozen Sonic Mini 4K at 23°C and 50% humidity 0,05mm layerheight 5 seconds exposuretime per layer humidity 0,05mm layerheight 5 seconds exposuretime per layer
Postcuring parameters	
	30min with 200W 405nm UV LED Conditioned 72h at 23°C and 50% humidity

Property	**Method**	**Value**
Young‘s modulus	ISO 527	1300 MPa
Elongation at break	ISO 527	19 %
Tensile Strenght	ISO 527	41,5 MPa
Charpy impact test		51,3 kJ/m2
HDT B		42 °C
Density ρ		1,18 g/cm
Shore Hardness		71D

HAZARD INFORMATION
For detailed Hazard Information please refer to the Safety Data Sheet

STORAGE HANDLING
Provided proper storage and handling precautions are taken we would expect MAYER MAKES Engineering Resin to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Safety Data Sheet

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