



Addigy® GPC 3D1000C 000000

Type *Also valid for material labelled as ADDIGY GPC 3051 00000 FR or Makrolon 3D 1000C 000000.*

Additive manufacturing Polycarbonate grade for filament extrusion.

Transparent, tough and rigid; easy processing, low viscosity

Specification Property	Specimen	Value	Unit of measurement	Method
Appearance	granulate	natural color		
Density	granulate	1210	kg/m ³	ISO 1183-1
Melt volume rate 300 °C; 1.2 kg	granulate	34	cm ³ / 10 min	ISO 1133
Vicat softening temperature 50 N; 50 °C/h	granulate	112	°C	ISO 306
Young's Modulus xy-direction	printed bar (5A)	2010	MPa	ISO 527-2 (1 mm/min)
Tensile strength xy-direction	printed bar (5A)	63	MPa	ISO 527-2 (200 mm/min)
Elongation at break xy-direction	printed bar (5A)	4	%	ISO 527-2 (1 mm/min)
Impact strength yz-direction Charpy unnotched	printed bar	64	kJ/m ²	ISO 179-1

Due to the large variety of machines and part geometries, given process parameters can only serve as an orientation.

Printing Characteristics

- Easy printable
- Low warping (even without heated chamber)
- Good surface finishing
- Good layer adhesion

