xMODEL35 – Rigid resin with optimum combination of strength, stiffness and temperature resistance.

	Typical Values	Norm
General Properties		
Appearance	Available in Black, Gray	-
Viscosity, 30 °C	630 mPas	Cone/Plate Rheometer[1]
Yield Strength	160 mPas	Cone/Plate Rheometer[1]
Density (printed part)	1.2 g/cm³	ASTM D792
Density (liquid resin)	1.11 g/cm³	ASTM D4052-18a
Tensile Properties		
E Modulus	2600 MPa	ASTM D638
Ultimate Tensile Strength	62 MPa	ASTM D638
Elongation at Break	10 %	ASTM D638
Flexural Properties		
Flexural Modulus	2300 MPa	ASTM D790
Notched IZOD	108 MPa	ASTM D790
Impact Properties		
Notched Izod (Machined), 23 °C	21 J/m	ASTM D256
Unnotched Izod, 23 °C	112 J/m	ASTM D256
Charpy notched, 23 °C	1.3 kJ/m²	ISO 179-1
Thermal Properties		
HDT at 0.45 MPa	87 °C	ASTM D648
HDT at 1.82 MPa	64 °C	ASTM D648
Flammability	HB	UL 94 1.5 mm
Hardness		
Shore D	83	ASTM D2240

Other		
Biocompatibility	Information available on request	ISO 10993
Water Absorption, Short Term (24 hours)	0.42 %	ASTM D570

[1]Determined with TA-Instrument DHR rheometer, cone/plate, diameter 60 mm, shear rate 100 s-1

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