

SLA - Accura Si60

Clear epoxy resin



Accura Si60 is a robust material and its prime colour is milky-clear, similar to a polycarbonate. It is characterized by a fast production velocity, resilience, stiffness and by very smooth surfaces. It is particularly suitable for interior ducts and for the depiction of high details but it is not adequate for a series production.

Mechanical Attributes

Attribute	test standard	Value*
Tensile Strength	ASTM D638	63 ± 5 MPa
Tensile modulus	ASTM D638	2895 ± 205 MPa
Elongation at break	ASTM D638	9 ± 4 %
Flexural strength	ASTM D790	94 ± 7 MPa
Flexural modulus of elasticity		2850 MPa
Izod notched impact strength (at 23 °C)	ASTM D256	20 ± 5 J/m
Hardness		86 Shore D
Heat resistance @0,45 MPa	ASTM D648	54 ± 1 °C
Heat resistance @1,80 MPa	ASTM D648	49 ± 1 °C
Glass transition temperature	DMA, E	58 °C
Expansion coefficient @20 °C	ASTM E831-93	71 m/m-°C
Expansion coefficient @100 °C	ASTM E831-93	153 m/m-°
Density		1.21 g/cm³

*depending on various parameters, in particular the printing orientation

Practical example

Component	Zahnrad
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Size	38 x 38 x 8 mm
Volume	5 cm ³
Price	75 € Incl. VAT, plus delivery costs

