

STEREOLITHOGRAPHY ABS-LIKE GREY

Supplier Data Sheet: [Accura Xtreme](#)

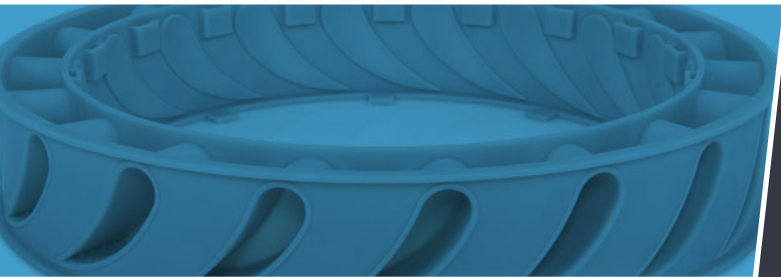


PRODUCT DESCRIPTION

ABS-Like Grey is a widely used, all-purpose material that provides flexibility relative to other SLA resins. It is an ideal stereolithography material for durability and heat tolerance. Parts built with ABS-Like Grey will have a look and feel similar to a moulded plastic.

APPLICATIONS

ABS-Like Grey's well-rounded mechanical properties make it suitable for form-and-fit prototypes, snap-fit assemblies, consumer electronic components, and medical device prototypes.



KEY PRODUCT BENEFITS

- Good strength and flexibility
- Durability
- Grey color

PROPERTIES

PROPERTY	TEST METHOD	VALUE
Colour	-	Grey
Density in solid state*	@ 25 °C (77 °F)	1.19 g/cm ³
Water absorption (20 °C, 50% relative humidity)	DIN EN ISO 62	0.65 ± 0.15%
E-module (x-y plane)	DIN EN ISO 527, test speed 10mm/ min	2,000 ± 400 MPa
Tensile strength (x-y plane)		40 ± 8 MPa
Elongation at break (x-y plane)		9 ± 5%
Heat deflection temperature @ 0,46 MPa*	DIN EN ISO 75	62 °C (144 °F)
Heat deflection temperature @ 1,82 MPa*		54 °C (129 °F)

*From supplier data sheet

TOLERANCES

For parts that are built in Normal Resolution (NR): The tolerances for well-designed parts are in the X / Y direction ± 0.1mm plus an additional ± 0.001mm / mm; In Z direction ± 0.13mm plus additional ± 0.001mm / mm.

Note that tolerances may change depending on part geometry.