

STEREOLITHOGRAPHY ABS-LIKE GRAY

Current Supplier Material: [Accura Xtreme](#)



PRODUCT DESCRIPTION

ABS-Like Gray 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 Gray will have a look and feel similar to a molded plastic.

APPLICATIONS

ABS-Like Gray'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
- Gray color

PROPERTIES

PROPERTY	TEST METHOD	VALUE
Color	-	Gray
Density in solid state*	@ 25 °C (77 °F)	1.19 g/cm ³
Water absorption (20 °C, 50% relative humidity)	ASTM D570	0.65 ± 0.15%
E-module (x-y plane)	ASTM D638, 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*	ASTM D648	62 °C (144 °F)
Heat deflection temperature @ 1,82 MPa*		54 °C (129 °F)

[*From supplier data sheet](#)

TOLERANCES

For well-designed parts, tolerances in the X/Y dimension of ±0.002 in. (0.05mm) for the first inch plus ±0.001 in./in., and Z-dimension tolerances of ±0.005 in. (0.127mm) for the first inch plus ±0.001 in./in. (0.001mm/mm), can typically be achieved. Note that tolerances may change depending on part geometry.

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