

STEREOLITHOGRAPHY PC-LIKE TRANSLUCENT

Current Supplier Material: [Accura 60](#)



PRODUCT DESCRIPTION

PC-Like Translucent is ideal for parts with fine details that require translucence and high stiffness. Custom finishing is required to achieve functional clarity. It has a high tensile strength and modulus, making it ideal for prototyping parts similar to molded polycarbonate. PC-Like Translucent is an ideal material for polycarbonate-like parts when thermal properties are not required.

APPLICATIONS

PC-Like Translucent is often used for prototyping electronic housings, medical devices, and lighting components.



KEY PRODUCT BENEFITS

- Functional Clarity
- High tensile strength and modulus
- Enhanced feature details

PROPERTIES

PROPERTY	TEST METHOD	VALUE
Color	-	Translucent with Standard Finish / Clear with Custom Finish
Density in solid state*	@ 25 °C (77 °F)	1.21 g/cm ³
E-module (x-y plane)	ASTM D638, test speed 10mm/min.	3,500 ± 400 MPa
Tensile strength (x-y plane)		75 ± 10 MPa
Elongation at break (x-y plane)		7 ± 4%
Heat deflection temperature @ 0.46 MPa*	ASTM D648	53 - 55 °C (127 - 131 °F)
Heat deflection temperature @ 1.82 MPa*		48 - 50 °C (118 - 122 °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.

Version 1.0 | December 2019