

Stereolithography Resin Selection in Use at PROFORM

Designation	Base Color	Resolution	Flexural Modulus	Flexural Strength	Elongation Rupture	Izod Impact	Description, Typical Use
		*	MPa	MPa	%	J/m	1
Accura 25	white opaque	S / H	1380 - 1660	55 - 58	13 - 20	19 - 24	Design and precision parts with good flexibility, touch and feel of a molded plastic; much in demand in the medical field thanks to its white color and high surface quality
Accura 60	clear	S / H	2700	87 - 101	5 - 13	15 - 25	Hard and polycarbonate-like translucent parts, particularly suited for fluidic applications. Ideally suited for small series thanks to its high throughput.
Accura Xtreme	grey opaque	S / H / HH	1520 - 2070	52 - 71	14 - 22	35 - 52	Durable ABS-like precision parts with high impact resistance; excellent contour visualization thanks to its grey base color; ideal for small series of technical parts thanks to its high throughput.
DSM 12120 HT	red-orange	S / H	3060	103	4	17.8	High temperature (130 °C) and humidity resistant parts with very high mechanical strength and stability of shape. For massive parts and small parts, now in high resolution
DSM BioClear	clear	S / H	2040 - 2370	63 - 74	11 - 20	30	Clear and tough precision parts for fluidic and medical applications (certified USP Class VI and ISO 10993) or for investment casting.

*S(standard): Laser beam width: 0.25 mm, Layers: 0.075 - 0.15 mm *H(high): Laser beam width 0.10 mm, Layers: 0.05 mm *HH(very high): Laser beam width: 0.10 mm, Layers: 0.025 mm