PROTOLABS
Manufacturing. Accelerated.

Prototyping FDM

Prototyping ASA

Acrylonitrile styrene acrylate, similar mechanical traits to ABS but with superior UV/weather resistance and color stability.

Key Attributes

UV and weather resistant, good impact strength, better exterior durability than ABS.

Properties

Property	Value (Imperial)	Value (Metric)
Maximum Part Size	19.685" x 19.685" x 19.685"	500 × 500 × 500 mm
Minimum Feature Size	.039"	1.0 mm
Tensile Strength	5.1-6.5 ksi	35–45 MPa
e_modulus	275.6-377.1 ksi	1.9–2.6 GPa
Heat Deflection	194-230 °F	90–110 °C
Elongation	10–30%	10–30%



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