

ABS-M30

TECHNOLOGY: FDM

APPLICATIONS: Conceptual modeling, functional prototyping, manufacturing tools and end-use-parts.

DESCRIPTION: FDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. ABS-M30 is 25-70% stronger than standard ABS. With significantly stronger layer bonding than ABS and greater tensile, impact and flexural strength, ABS-M30 parts are stronger, smoother and have better feature detail.

FEATURES: Durable, smooth, exceptional feature detail. 25%-70% stronger than standard ABS. Greater tensile, impact and flexural strength.

Color Options: Ivory, White, Black, Dark Gray, Red, Blue

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	26 MPa
Modulus of Elasticity, Youngs Modulus	D638M	2,180 MPa
Elongation Break (%)	D638M	2 %
Flexural Strength	D790M	48 MPa
Flexural Modulus	D790M	1,760 MPa
IZOD Impact Strength (notched)	D256A	128 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	96 °C

