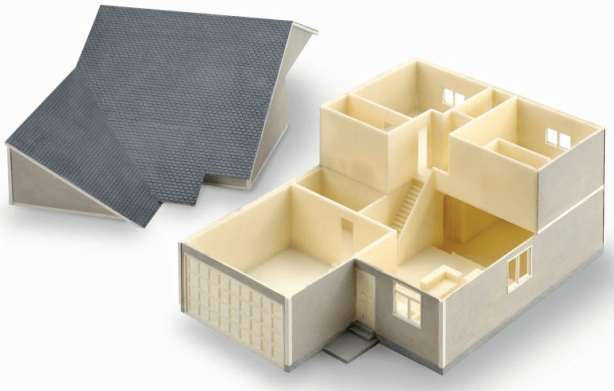
DINSMORE
AN ADDMAN GROUP COMPANY

MATERIAL SPEC SHEET

ABS-M30

Technology: FDM

COLOR OPTIONS: Ivory, White, Dark Gray, Red, Blue



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.

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

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