

MAKERBOT PRECISION ASA | Data Sheet

Superior Part Performance for Demanding Outdoor Applications

MakerBot Precision ASA is a weather-resistant alternative to ABS used widely for functional prototypes and end-use parts in demanding outdoor environments. This thermoplastic formulation has properties similar to MakerBot Real ABS, but with better UV and chemical resistance for retaining gloss, color, and mechanical properties when exposed to the elements.

MakerBot ASA is supported by Stratasys® SR-30 support material for unrestricted geometric freedom and is ideal for demanding applications in the automotive, power and utilities, agriculture, oil & gas, and mass transit industries.

96ºC
HEAT DEFLECTION

2,167 MPA
TENSILE MODULUS

49 MPA
TENSILE STRENGTH

±0.007 IN (0.2 MM)
PRINTED PART DIMENSIONAL ACCURACY (with METHOD X)

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END-USE PARTS

Engineers and machinists can create functional end-use parts with durability and ductility including snap fits and living hinges capable of withstanding the elements.

Applications include:

- Industrial machine covers
- Protective guards
- Outdoor signage
- Replacement parts for agriculture

FUNCTIONAL PROTOTYPES

Designers and engineers can create functional prototypes that combine superior part durability with temperature, moisture, and chemical resistance in demanding outdoor conditions.

Applications include:

- Sporting goods and accessories
- All-weather assembly housings
- Enclosures for outdoor electrical equipment



SIDE MIRROR HOUSING
Automotive



EXTERNAL BOAT HATCH
Maritime

ELECTRICAL OUTLET COVER

TECH SPECS	Imperial	Metric
Heat Deflection (ASTM 648, 66 psi)	204ºF	96ºC
Flexural Strength (ASTM D790, 15 mm/min)	11,000 psi	78 MPa
Flexural Modulus (ASTM D790, 15 mm/min)	330,000 psi	2300 MPa
Tensile Strength at yield (ASTM D638, 50 mm/min)	7100 psi	49 MPa
Tensile Modulus (ASTM D638, 50 mm/min)	310,000 psi	2,100 MPa
Strain at Yield - Elongation (%)	>6%	>6%
Notched Impact Strength (ASTM D256)	2.6 ft-lb/in	140 J/m

METHOD

A MANUFACTURING WORKSTATION.
Print real ABS with 100 C Heated Chamber.
Powered by: stratasys

MakerBot METHOD bridges the gap between industrial and desktop 3D printing. It was developed from the ground up leveraging industry-leading Stratasys® patents including a heated build chamber, precision dissolvable supports, and dry-sealed material bays. Engineers and designers use METHOD to create prototypes, jigs and fixtures, and end-use parts.

Learn more at makerbot.com/method