



ABSplus is up to 40 percent stronger than standard ABS material and is an ideal material for conceptual prototyping, design verification, and direct digital manufacturing. The marriage of ABSplus with FDM technology gives you the ability to create Real Parts™ direct from digital files that are stronger, smoother, and with more feature detail.

Mechanical Properties ¹	Test Method	Imperial	Metric
Tensile Strength, Type 1, 0.2 in/min	ASTM D638	5,200 psi	36 MPa
Tensile Modulus, Type 1, 0.2 in/min	ASTM D638	329,500 psi	2,265 MPa
Tensile Elongation, Type 1, 0.125 in/min	ASTM D638	4 %	4 %
Flexural Strength	ASTM D790	7,604 psi	52 MPa
Flexural Modulus	ASTM D790	319,737 psi	2,198 MPa
IZOD Impact, notched	ASTM D256	1.8 ft-lb/in	96 J/m









Thermal Properties ³	Test Method	Imperial	Metric
Heat Deflection Temperature @ 66 psi	ASTM D648	204° F	96° C
Heat Deflection Temperature @ 264 psi	ASTM D648	180° F	82° C
Coefficient of Thermal Expansion	ASTM D696	4.90-05 in/in/F	-----
Melt Point	-----	Not Applicable ²	Not Applicable ²

Other ³	Test Method	Value
Specific Gravity	ASTM D792	1.04

► See reverse for color options and system availability.

The information presented are typical values intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, etc. Actual values will vary with build conditions.

¹ Build orientation is on side edge. ² Do to amorphous nature, material does not display a melting point. ³ Literature value unless otherwise noted.

System Availability	Layer Thickness Capability	Support Structure	Available Colors
FDM 200mc	0.010 inch (0.254 mm) 0.007 inch (0.178 mm)	Soluble Supports	<ul style="list-style-type: none">  Natural  Black  Dark Grey  Red  Blue  Olive Green  Nectarine  Florescent Yellow

For more information about Stratasys systems and materials, contact your representative at +1 888.480.3548 or visit www.stratasys.com

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