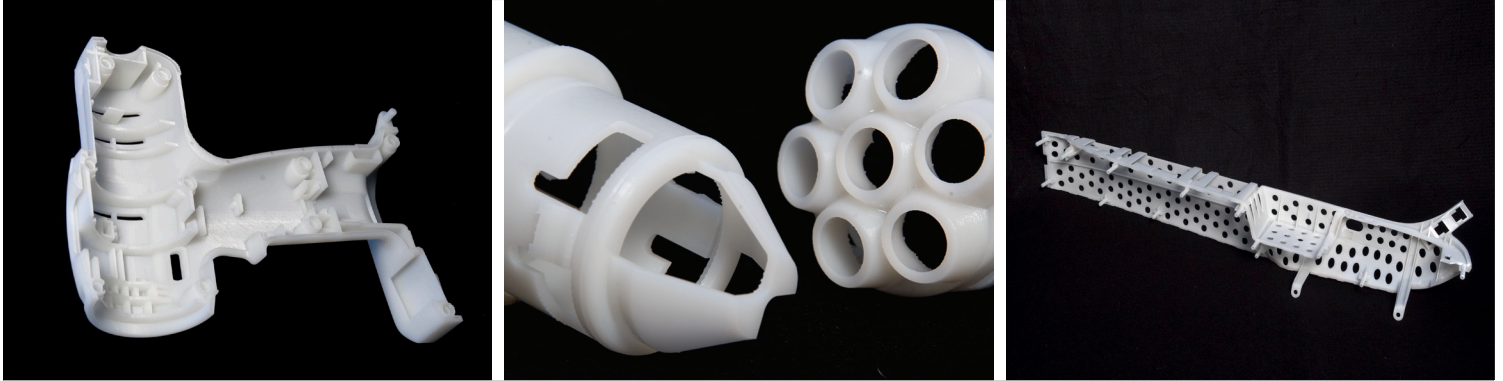


# Accura<sup>®</sup> 55

Rigid and strong plastic to stimulate and replace CNC machined White ABS articles



## Technical Data

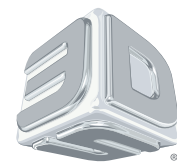
Post-Cured Material			
Measurement	Condition	Metric	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	63-68	9200-9850
Tensile Modulus (MPa/KSI)	ASTM D 638	3200-3380	460-490
Elongation at Break	ASTM D 638	5-8 %	5-8 %
Flexural Strength (MPa/PSI)	ASTM D 790	88-110	12830-15920
Flexural Modulus (MPa/KSI)	ASTM D 790	2690-3240	390-470
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	12-22	0.2-0.4
	ASTM5420	1.1	0.81
Heat Deflection Temperature	ASTM D 648 @ 66 PSI	55-58 °C	131-136 °F
	@ 264 PSI	51-53 °C	123-127 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 TMA (T<T <sub>g</sub> , 0-40 °C) TMA (T<T <sub>g</sub> , 75-140 °C)	61	141
		163	326
Glass Transition (T <sub>g</sub> )	DMA, E''	56 °C	132 °F
Shore D		85	85

### Liquid Material

Measurement	Condition	Value
Viscosity	@ 30 °C (86 °F)	155-185 cps
Penetration Depth (D <sub>p</sub> )		5.2 mils
Critical Exposure (E <sub>c</sub> )		7.4 mJ/cm <sup>2</sup>
Color		White
Solid Density	@ 25 °C (77 °F)	1.20 g/cm <sup>3</sup> at 25 °C
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm <sup>3</sup> at 25 °C

## Features

- Rigid and strong
- Functional assemblies
- Short-run production parts



**3DSYSTEMS<sup>®</sup>**

3D Systems Corporation      Tel: +1 803.326.3900  
 333 Three D Systems Circle      NYSE: DDD  
 Rock Hill, SC 29730, USA      www.3dsystems.com

**MANUFACTURING THE FUTURE**

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

© 2015 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice. The 3D logo and Accura are registered trademarks of 3D Systems, Inc.