



Accura® ABS White (SL 7810)

ABS Class

Rigid and tough white plastic to simulate and replace CNC-machined ABS articles

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	46-48	6670-6960
Tensile Modulus (MPa/KSI)	ASTM D 638	2290-2400	332-348
Elongation at Break (%)	ASTM D 638	8-14	8-14
Flexural Strength (MPa/PSI)	ASTM D 790	74-76	10730-11020
Flexural Modulus (MPa/KSI)	ASTM D 790	2040-2120	296-307
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	24-47	0.45-0.88
Heat Deflection Temperature	ASTM D 648 @ 66 PSI	51 °C	124 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 25-50 °C	96	53
Glass Transition (Tg)	DMA, E"	63 °C	145 °F
Hardness, Shore D		86	86

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	210 cps
Penetration Depth (Dp)		5.6 mils
Critical Exposure (Ec)		9.9 mJ/cm ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.16 g/cm ³
Liquid Density	@ 25 °C (82 °F)	1.13 g/cm ³

Features

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



www.3dsystems.com

UK

Tel: +44 1442 282 600
info@3dsystems-europe.com

USA

Tel: +1 803.326.3900
moreinfo@3dsystems.com

Germany, Scandinavia, Eastern Europe, Middle East

Tel: +49 6151 357 0
info@3dsystems-europe.com

Asia-Pacific

Melbourne Tel: +61 3 9819 4422
 Sydney Tel: +61 2 9516 5571
3dprinters.asiapac@3dsystems.com

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.

© 2017 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.