



Accura[®] 25

PP Class

Flexible plastic to simulate and replace CNC-machined white polypropylene articles.

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	55-58	5540-5570
Tensile Modulus (MPa/KSI)	ASTM D 638	1590-1660	230-240
Elongation at Break (%)	ASTM D 638	13-20	13-20
Flexural Strength (MPa/PSI)	ASTM D 790	55-58	7960-8410
Flexural Modulus (MPa/KSI)	ASTM D 790	1380-1660	200-240
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	19-24	0.4
Heat Deflection Temperature	ASTM D 648 @ 66 PSI @ 264 PSI	58-63 °C 51-55 °C	136-145 °F 124-131 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 TMA (T<T _g , 0-20 °C) TMA (T<T _g , 75-140 °C)	107 x 10 ⁻⁶ 151 x 10 ⁻⁶	59.4 83.9
Glass Transition (T _g)	DMA, E''	72-74	162-165
Hardness, Shore D		80	80

Features

- Flexible
- Snap fit assemblies
- Master patterns for vacuum casting
- Durable functional prototypes

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	250 cps
Penetration Depth (D _p)		4.2 mils
Critical Exposure (E _c)		10.5 mJ/cm ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.19 g/cm ³ at 25 °C
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm ³ at 25 °C



www.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. 3D Systems and Accura are registered trademarks and the 3D Systems logo is a trademark of 3D Systems, Inc.