



Accura® PEAK™

Specialty Class

Stiff plastic material for heat-resistant components

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	57-78	8270-11320
Tensile Modulus (MPa/KSI)	ASTM D 638	4220-4790	612-695
Elongation at Break (%)	ASTM D 638	1.3 - 2.5	1.3 - 2.5
Flexural Strength (MPa/PSI)	ASTM D 790	77-126	11170-18380
Flexural Modulus (MPa/KSI)	ASTM D 790	4180-4790	606-695
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	21.3-27.3	0.4-0.5
Heat Deflection Temperature	ASTM D 648		
UV Postcure Only	@ 66 PSI	78 °C	172 °F
UV Postcure Only	@ 264 PSI	59 °C	138 °F
120 °C thermal postcure	@ 66 PSI	153 °C	307 °F
120 °C thermal postcure	@ 264 PSI	124 °C	255 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93		
	0-50 °C	48	27
	50-120 °C	92	51
Glass Transition (Tg)	DMA, E"		
UV Postcure Only		80 °C	176 °F
120 °C thermal postcure		85-90 °C	185-194 °F
Hardness, Shore D		86	86

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	605 cps
Penetration Depth (Dp)		5.6 mils
Critical Exposure (Ec)		11.5 mJ/cm2
Color		Translucent Amber
Solid Density	@ 25 °C (77 °F)	1.36 g/cm³
Liquid Density	@ 25 °C (77 °F)	1.32 g/cm³

Features

- High heat resistance
- Very high rigidity and stiffness
- Excellent humidity/moisture resistance



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