

Accura® Stereolithography (SLA®) Material Selection Guide

Ranking: A five-star rating is superior. Materials are listed in order of increasing Flexural Modulus (stiffness) from left to right.

	Accura® 25 <i>Plastic</i>	Accura® Xtreme <i>Plastic</i>	Accura® 55 <i>Plastic</i>	Accura® 60 <i>Plastic</i>	Accura® 48HTR <i>Plastic</i>	Accura® Amethyst™ <i>Material</i>	Accura® PEAK™ <i>Plastic</i>	Accura® CeraMAX™ <i>Composite</i>	Accura® Bluestone™ <i>Composite</i>
Material Property									
Accuracy	****	****	****	***	****	*****	****	*****	*****
High Temperature					****		****	*****	*****
Moisture Resistance		***	****	****			*****	*****	*****
Optical Clarity				****	***				
High Stiffness (Flex Modulus)						***	****	*****	*****
High Elongation	****	*****	***	***					
High Impact Strength	***	****							
Opacity	*****	*****	*****					*****	*****
Color	White	Grey	White	Clear	Clear Amber	Purple	Amber	Off-white	Blue

"Simulant" Characteristics									
Polypropylene	*****	*****							
ABS		*****	*****						
Polycarbonate				*****					

Recommended Applications									
Investment Casting/QuickCast				*****	***				
Jigs/Fixtures/Tools			****	***	***		****	*****	*****
Master Patterns for RTV	****	****	*****	*****	***		****		
General Purpose Models	****	****	****	*****	****				
Snap Fit Testing	*****	*****	***	***					
Injection Molding/Direct AIM							****	*****	*****
Automotive/Under-The-Hood					****		*****		
Wind-Tunnel					***		****	*****	*****
Jewelry Manufacturing						*****			
Thermally Resistant Components					***		****	*****	*****
Abrasion Resistant Components								****	****



RATING SYSTEM

***** = BEST
 **** = BETTER
 *** = GOOD

MATERIAL ORDERING	
AMERICAS	U.S.A. +1 803 326-4080 or +1 800 889-2964
ASIA-PACIFIC	Japan +81 3 5451 1690
EUROPE	France +33 1 69 35 17 17 Italy +39 039 68904 00 Germany +49 6151-357 234 U.K. +44 1442 282665

Offering the widest selection of SLA® Materials!