

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	Accura® Xtreme	Accura® 55	Accura® 60	Accura® 48HTR	Accura® Bluestone™				
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	Blue				

"Simulant" Characteristics										
Polypropylene	*****	*****								
ABS		*****	*****							
Polycarbonate				*****						
Nylon 6:6										

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										

RATING SYSTEM

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