

Accura® Stereolithography (SL) Material Selection Guide

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

RATING SYSTEM

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

	Accura® 25	New! Accura® Xtreme	Accura® 50	Accura® 55	Accura® 60	Accura® 40	Accura® 10	Accura® Amethyst™	Accura® Bluestone™
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Material Property

Accuracy	****	****	****	****	***	****	****	*****	*****
High Temperature						****			*****
Moisture Resistance		***	****	****	****	***	****		*****
Optical Clarity					****	***	***		
High Stiffness (Flex Modulus)							***	***	*****
High Elongation	****	*****	***	***	***				
High Impact Strength		****							
Opacity	*****	*****	*****	*****					*****
Color	White	Grey	Grey or Natural	White	Clear	Clear amber	Clear amber	Purple	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								*****	
Automotive HVAC Testing						*****			

Material Ordering

AMERICAS	U.S.A.	+ 1 803 326-4080 or (800) 889-2964						
ASIA-PACIFIC	Hong Kong	+852 2923 5077	Japan	(+81) 3 5451 1690				
EUROPE	France	+33 1 69 35 17 17	Germany	+49 6151-357 234	Italy	+39 039 68904 00	U.K.	+44 1442 282665



3D Systems — Offering the widest selection of SL materials!