



Rapid Product Solutions, Inc.

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## RPS Stereolithography (SLA) Resins

Properties	ASTM Method	RPS General Purpose	RPS Water Clear	RPS NeXT High Impact	RPS Sb FREE*
Tensile Strength (PSI)	D 638	7540-7690	6830-7775	6100	77000
Tensile Modulus (KSI)	D 638	361-380	350-390	352	460
Elongation at Break (%)	D 638	4.1-8.3	11-20	9.0	2.3
Flexural Strength (PSI)	D 790	11890-12180	9150-10760	10100	16600
Flexural Modulus (KSI)	D 790	335-339	296-344	358	468
Impact Strength (Ft-lbs/in)	D 256	0.80-0.92	0.4-0.6	0.94	0.41
Heat Deflection Temperature (°F)	D 648 @ 66 PSI @ 264 PSI	124 122	115-130 120	133 122	136 127
Coefficient of Thermal Expansion	E 831-93 0-40° C 50-140° C	57.2 89.0	37 94-105	40.6 95.6	31.5 78.9
Water Absorption (%)	D 570-88	0.33	0.35	0.40	0.36
Hardness, Shore D		85	85	82	86
Color		Slight Amber Hue	Slight Blue Hue	White	Red Hue

\*Antimony Free for Investment Casting Patterns

For more information about advanced prototyping and product solutions, contact us at 805.485.7234 or sales@rapid-products.com.

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