

Benefits/Type	Appearance	Viscosity (cps @ 30°C)	Photospeed (E ₁₀ mJ/cm ²)	Tensile Modulus (MPa) ASTM D638	Tensile Strength (MPa) ASTM D638	Elongation ASTM D638	Izod Impact Notched (J/m) ASTM D256	Heat Deflection Temperature @ 0.46 Mpa (°C) ASTM D648	Heat Deflection Temperature @ 1.81Mpa (°C) ASTM D648	
PP-LIKE AND FLEXIBLE										
Somos® 9120	Multi-Purpose, Easy-To-Use	Translucent	450	65	1,350	31	20% @ Yield	51	49°	N/A
Somos® 9420	Multi-Purpose, Robust	White	475	96	700	19	28% @ Yield	46	49°	37°
ABS-LIKE										
Somos® GP Plus 14122	All-Purpose, Water Resistant	White	340	64	2,510	47	7.5% @ Break	26	46°	41°
Somos® ProtoGen 18120*	All-Purpose, Heat Resistant	Translucent	300	57	2,950	69	7.5% @ Break	19	96°	49°
Somos® ProtoGen 18420*	All-Purpose, Heat Resistant	White	350	69	2,920	67	7.5% @ Break	17	96°	47°
Somos® ProtoGen 18920*	All-Purpose, Heat Resistant	Grey	350	76	2,730	69	6.5% @ Break	22	97°	N/A
TOUGH AND STRONG										
Somos® DMX	Highly Durable, High Feature Detail	Off-White	1,500	92	2,410	45	20% @ Break	66	44°	41°
Somos® NeXt	Highly Durable, Water Resistant	White	1,000	67	2,430	42	9% @ Break	50	56°	50°
Somos® NeXt LV Grey	Highly Durable, High Strength	Opaque Grey	480	100	3,130	63	6% @ Break	33	55°	53°
HIGH-TEMP AND COMPOSITE										
Somos® ProtoTherm 12120*	Heat Resistant, ABS-Like	Transparent Red	550	63	3,250	77	4.5% @ Break	17	126°	N/A
Somos® PerFORM*	Rigid, High Strength, Excellent Heat Resistance	Off-White	1,000	80	9,800	80	1.2% @ Break	20	268°	82°
CLEAR, TRANSPARENT, PC-LIKE										
Somos® WaterShed XC 11122	Good Clarity, Excellent Water and Chemical Resistance	Clear, Near Colorless	260	54	2,770	50	15.5% @ Break	25	50°	49°
Somos® WaterClear Ultra 10122	High Clarity, Colorless, Fast Cure	Clear, Colorless	165	47	2,880	56	7.5% @ Break	25	47°	47°
Somos® BioClear**	ISO 10993-5, ISO 10993-10 and USP Class VI Certified	Clear	250	54	2,770	50	15.5% @ Break	25	50°	49°

Notes:
 * Values for materials that have been thermally post-cured;
 ** Somos® BioClear is designed for medical applications that are non-implant and have limited contact with the body;
 All listed products will function on any 355 nm SL system.
 Values are indicative, and final results depend on machine and processing parameters

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	MATERIAL PROPERTIES/CHARACTERISTICS					KEY APPLICATION AREAS						
	Accuracy	High Temp	Moisture Resistance	Optical Clarity	Durability	Investment Casting	RTV/Master Patterns	Snap Fit Assemblies	General Purpose Models	Automotive	Wind Tunnel Testing	Rapid Tooling
PP-LIKE AND FLEXIBLE												
Somos® 9120	••		•	•	•••			•••	••	•••		
Somos® 9420	•		•		•••			•••	•	••		
ABS-LIKE												
Somos® GP Plus 14122			•••		••		••	••	•••	•••		•
Somos® ProtoGen 18120	•••	••	••	•	••		•••	••	•••	••		•
Somos® ProtoGen 18420	•••	••	••		••		•••	••	•••	••		•
Somos® ProtoGen 18920	•••	••	••		••		•••	••	•••	••		•
TOUGH AND STRONG												
Somos® DMX	•		•		•••		•	•••	•	••		••
Somos® NeXt	•		•••		•••		•••	•••	•••	•••		••
Somos® NeXt LV Grey	••		•••		••		•••	•••	••	••		••
HIGH-TEMP AND COMPOSITE												
Somos® ProtoTherm 12120	•••	••	•••	•	•		•		•	••	••	
Somos® PerFORM	•••	•••	•••		•		••		•	••	•••	•••
CLEAR, TRANSPARENT, PC-LIKE												
Somos® WaterShed XC 11122	••		•••	••	••	•••	••	•	•••	•••		•
Somos® WaterClear Ultra 10122	•••		••	•••	•	••	•	•	•••	•••		
Somos® BioClear	••		•••	••	••	••	••	•	•			•

BEST: ● ● ● BETTER: ● ● GOOD: ●

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