










Material	Appearance	Viscosity cps @ 30°C	Photospeed E <sub>10</sub> mJ/cm <sup>2</sup>	Flexural Modulus MPa	Elongation at Break %	Impact Notched Izod J/cm	HDT @0.46MPa, °C, UV (+TPC)
Somos 7110/20	Clear, Amber	700	64	3,000	4.4	0.27	70 (97)
Somos 8110/20	Translucent	600/600	40/35	310/690	27/27	0.87/0.59	54/54
Somos 9110/9120	Translucent	230/450	55/65	1,450/1,383	18/21	0.55/0.51	50/57
Somos 9420	White	475	95	835	28	0.46	49
WaterShed® 11110/20 	Clear, Green Tint	92/260	72/54	2,140/2,205	25/16	0.19/0.3	50/50
ProtoTherm™ 12110/20 	Clear, Red	410/550	75/63	3,350/3,320	5.0/4.0	0.12/0.12	53 (155)/56 (126)
Somos 14120 	White	240	64	2,250	7.9	0.24	53
NanoForm™ 15120	Gray	570	112	3,630	2.1	0.15	65.5 (269)
NanoTool™	White	2,500	84	10,500	0.9	0.14	225 (260)
ProtoGen™ 18120 	Translucent	300	57	2,420	8	0.20	57 (96)
ProtoGen 18420 	White	350	67	2,060	12	0.21	55 (95)
ProtoGen 18920 	Gray	350	76	2,220	16	0.23	59 (97)
ProtoCast™ AF 19122 	Clear, Peach	265	55	2,430	9	0.18	57
DMX-SL™ 100	Natural	1,500	92	2,290	20	0.73	44
Somos NeXt	White	1,000	67	2,470	9	0.50	56
WaterShed XC 11122 	Clear, Near Colorless	260	54	2,205	16	0.30	50
WaterClear® Ultra 10122 	Clear/Colorless	165	46	2,490	8	0.25	47 (60)



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**\* Note:**

All these materials are based on Oxetane chemistry and therefore have outstanding water and humidity resistance

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Application		HeCd Laser 325nm	All Systems with Solid State Lasers 355nm
<b>Master Patterns</b> Highly accurate and durable		WaterShed 11110* ProtoTherm 12110*	WaterShed 11120*, WaterShed XC 11122*, WaterClear Ultra 10122*, Somos 14120*, ProtoGen 18120/18420/18920*, NanoTool, ProtoTherm 12120*, NanoForm 15120, Somos 7120
<b>Functional Parts</b> Thermoplastic-like modulus, durable and suitable for snap fits	PE-like	Somos 8110	Somos 8120
	PP-like	Somos 9110	Somos 9120, Somos 9420
	ABS-like	WaterShed 11110*	WaterShed 11120*, WaterShed XC 11122*, Somos 14120*, DMX-SL 100, Somos NeXt
	High Temperature ABS-like		ProtoGen 18120/18420/18920*
<b>Clear Parts</b>		WaterClear 10110 WaterShed 11110*	WaterClear Ultra 10122*, WaterShed 11120*, WaterShed XC 11122*
<b>High Temperature</b> Automotive components, electronics, consumer products, aircraft engines, tooling		ProtoTherm 12110*	NanoTool, NanoForm 15120, ProtoTherm 12120*, Somos 7120, ProtoGen 18120/18420/18920*
<b>QuickCast™ Investment Casting Pattern</b> Highly accurate, low ash, low softening point		WaterShed 11110*	WaterShed 11120*, WaterShed XC 11122*, ProtoCast AF 19122*
<b>Wind Tunnel Models</b> Very rigid, strong and accurate Aerospace, automotive		ProtoTherm 12110*	WaterShed XC 11122*, NanoTool, ProtoTherm 12120*, NanoForm 15120
<b>High Resolution / Highly Accurate</b> Medical, electronic and aerospace		ProtoTherm 12110* Somos 9110	NanoTool, NanoForm 15120, ProtoGen 18120/18420/18920*, ProtoTherm 12120*, Somos 9120, Somos 9420, DMX-SL 100, Somos NeXt
<b>Injection Moulds</b>			NanoTool, NanoForm 15120



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