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Sterolithography (SLA) Materials

	Somos 9120		Somos 11122		Somos 18420		Somos DMX		Somos Nanotool	
	Metric	Imp	Metric	Imp	Metric	Imp	Metric	Imp	Metric	Imp
Tensile Strength	30-32 MPa	4351-4641	47.1-60	6831-7774	42.2-43.8	7990	29.7-32.1	4307-4656	61.7-78	8949-11313
Modulus of Elasticity	1227-1445	17800 psi	2650-2880	384000	2180-2310	31600	2256-2559	327000	11000	1595000
Elongation at Break	15-25%	15-25%	11-20	11-20	20	20	12-18	12-28	0.7-1.0	0.7-1.0
Flexural Strength	41-46 MPa	5947-6672	63.1-74.2	9152-10761	83.6	12122	68	9863	79-121	11458
Flexural Modulus	1310-1458	190000	2040-2370	296000	1983	289000	2282-2298	331000	10200	147900
Izod Notched Impact	48-53 J/m	0.9-1 ft lb/in	20-30	0.37-0.56	23.6	0.44	61-71	1.14-1.33	0.12-0.15	0.0022
Shore D Hardness	80-82	80.82	--	--	83	83	80	80	94	94
HDT at 0.45 MPa	52-61C	125-143F	45.9-54.5	114-139	48.8	120	43-45	109-113	43.0	118
HDT at 1.82 MPa	--	--	49-49.7	120-121	44.8	113	42.9	109	225	437
Tg	--	--	39-46	102-115	48.7	120	41	106	85-90	--