

Neo Featured Materials Overview

Material Name	Description	Category	Tensile Strength (ASTM D638M)	Elongation at Break (ASTM D638M)	Tensile Modulus (ASTM D638M)	HDT @ 0.46 MPa (ASTM D648)	Notched Izod Impact (ASTM D256A)	Color
Somos® WaterShed® XC 11122	Versatile, good all-round polymer, very easy to use	● ● ●	50.4 MPa (at break)	15.5%	2,770 MPa	50 °C	25 J/m	Clear
Somos® WaterClear® Ultra 10122	Versatile, easy to use, exceptional clarity	●	56 MPa (at break)	7.5%	2,880 MPa	47 °C	25 J/m	Clear
Somos® WaterShed® Black	Versatile, good all-round polymer, very easy to use	● ●	50.4 MPa (at break)	15.5%	2,770 MPa	50 °C	25 J/m	Black
Somos® PerFORM™	Very high heat and stiffness, ceramic	●	68 MPa	1.1%	10,500 MPa	269 °C	17 J/m	White
Somos® PerFORM Reflect™	Very high heat and stiffness, ceramic, developed for PIV	●	63.3 MPa	0.8%	10,135 MPa	276 °C	17 J/m	Orange
Somos® Taurus™	High heat and toughness, thermoplastic like performance	● ● ●	46.9 MPa (at yield)	24%	2,310 MPa	62-91 °C	47.5 J/m	Charcoal
Somos® EvoLve™ 128	Very tough and durable with great surface finish	● ●	56.8 MPa (at yield)	11%	2,694 MPa	52 °C	39 J/m	White
Somos® WaterShed® AF	Print accurate, complex investment casting patterns with excellent surface finish	●	46 MPa	10%	2,460 MPa	50 °C	34 J/m	Clear

Categories: ● Investment Casting ● General Prototyping ● High Temperature ● Tough, High Impact ● Medical ● Semi Flexible ● Production/Application Focused ● Clear/Transparent

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Somos® 9120™	Versatile, good allround polymer, very easy to use	●	31 MPa	20%	1,350 MPa	n/a	51 J/m	Off white
Somos® BioClear™	For non-implantable limited body contact (<24hr) medical and dental applications	●	50.4 MPa (at break)	15.5%	2,770 MPa	50 °C	25 J/m	Clear
Somos® DMX SL™ -100	Durable and tough for production of complex, hollow composite parts	●	29.7–32.1 MPa (at break)	12–28%	2,260–2,560 MPa	44 °C	0.61–0.71 J/m	Off white

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