

## **Neo Featured Materials Overview**

Material Name	Description	Category	<b>Tensile</b> <b>Strength</b> (ASTM D638M)	Elongation at Break (ASTM D638M)	<b>Tensile Modulus</b> (ASTM D638M)	HDT @ 0.46 MPa (ASTM D648)	Notched Izod Impact (ASTM D256A)	Color
Somos <sup>®</sup> WaterShed <sup>®</sup> 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	٠	56 MPa (at break)	7.5%	2,880 MPa	47 °C	25 J/m	Clear
Somos <sup>®</sup> WaterShed <sup>®</sup> 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 <sup>®</sup> PerFORM™	Very high heat and stiffness, ceramic	•	68 MPa	1.1%	10,500 MPa	269 °C	17 J/m	White
Somos <sup>®</sup> PerFORM Reflect <sup>™</sup>	Very high heat and stiffness, ceramic, developed for PIV	•	63.3 MPa	0.8%	10,135 MPa	276 °C	17 J/m	Orange
Somos <sup>®</sup> 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 <sup>®</sup> EvoLVe <sup>™</sup> 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 <sup>®</sup> AF	Print accurate, complex investment casting patterns with excellent surface finish	٠	46 MPa	10%	2,460 MPa	50 °C	34 J/m	Clear

Categories: 

Investment Casting

General Prototyping

High Temperature

Tough, High Impact

Medical

Production/Application Focused

Clear/Transparent



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Somos <sup>®</sup> 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 <sup>®</sup> DMX SL <sup>™</sup> -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

Categories: 
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