

# Stereolithography Material Properties

<b>Datasheet</b>		Average values may vary with build conditions	
<b>Solid Grey</b>			
	Units	ASTM#	Value
Tensile Modulus	MPa	D638M	3026
Tensile Strength	MPa	D638M	63
Elongation at Break	%	D638M	6.0
Notched Izod Impact	J/m	D256A	43
Water Absorption	%	D570-98	0.37
Tg	°C	E1545-00	57
Colour			Grey
Special Purpose			

Stiff

Impact Resistant

Water Resistant

Durable

Automotive Body Parts

Machine Covers

Functional Prototypes

Durable Concept Models

Robust Scale Models

<b>Datasheet</b>		Average values may vary with build conditions	
<b>Tusk XC 2700T / Tusk 2700W</b>			
	Units	ASTM#	Value Range
Tensile Modulus	MPa	D638M	2650 – 2880
Tensile Strength	MPa	D638M	47.1 – 53.6
Elongation at Break	%	D638M	11 – 20
Flexural Modulus	MPa	D790M	2040 – 2370
Flexural Strength	MPa	D790M	63.1 – 74.16
Notched Izod Impact	J/m	D256A	20 -30
Hardness	Shore D	D2240	81
Heat Deflection t°	°C	D648-98c	@ 0.46 MPa: 45.9 - 54.5 @ 1.81 MPa: 49.0 - 49.7
Colour		Transparent or White	
Special Purpose			

Transparent / White

Strong

Water Resistant

Durable

Functional Prototypes

High End Finished Models

ABS-Like Prototypes

The information and values included in these datasheets is provided for your guidance only.