

# Model (S-100M/S-200M)



One of the earliest and most common 3D printed creations used in dentistry is the dental model. With the S-100M and S-200M material, traditional impressions are no longer necessary, as the intraoral scanner can be used to acquire oral data and the model can be created directly by the printer.

This saves dentists time and money in transferring a patient's intraoral image to its making, and the simplicity of the process brings a more accurate intraoral image as the fewer the steps of the whole process, the less the error is.

Properties	Unit	S-100M	S-200M	Remark
Color	-	Grey, Beige	Yellowish, Gray, Beige, White, Light Gray	
Density	g/cm <sup>3</sup> @ 25°C	1.120 ± 0.02	1.116 ± 0.02	
Viscosity	cps @ 25°C	600 ± 100	950 ± 100	BrookField
Solid Content	% @ 80°C × 1h	≥ 98	≥ 98	
Shore Hardness (D)	-	≥ 90	≥ 90	
Flexural Strength	MPa	≥ 110	≥ 160	ASTM D790
Flexural Modulus	MPa	≥ 2500	≥ 3500	ASTM D790
Tensile Strength	MPa	≥ 75	≥ 100	ASTM D638
Tensile Modulus	MPa	≥ 2500	≥ 3500	ASTM D638
Elongation	%	≤ 10	≤ 5	ASTM D638
Impact strength	J/m <sup>2</sup>	≥ 2100	≥ 3000	ASTM D256 (Notched)