

Hangzhou Sartort Advanced Materials




DLP RESIN SERIES — Sartort Advanced Materials


Founded in 2009, the company is one of the first companies to focus on the research and development of new materials for 3D printing, in China. We have strong scientific research team and advanced research and development equipment.


We always insist on independent research and development, focusing on innovative breakthroughs in 3D printing materials. At present, we have reached the industry leading level in the field of 3D printing photosensitive resin, and achieved good reputation and brand image in the industry.

For dental applications, the company has customized and developed a series of 3D printing materials to provide more efficient digital material solutions.

SLA Dental Mold		Brand : ST5100	
		Color : Pink	
		Character	<ul style="list-style-type: none"> · high temperature resistant · max edge stability · high construction precision · precise detail reproduction
		Application	Orthodontic tooth mold

Dental Mold		Brand : ST002-8	
		Color : Orange /Clay /Caramel /Pink /Grey	
		Character	<ul style="list-style-type: none"> · high building speed · good surface hardness · dimensional stable · good construction precision
		Application	<ul style="list-style-type: none"> · Orthodontic tooth mold · Dental implant mould

Planting Guide		Brand : ST031	
		Color : Transparent	
		Character	<ul style="list-style-type: none"> · high mechanical stability & detail reproduction · secure and precise fixing of brackets · high building speed
		Application	Oral surgical guide plate

<div>Bracket Guide</div> 	<div>Brand : ST031-6</div> <div>Color : Blue / Pink / Green</div>	
	Character	<ul style="list-style-type: none"> · high mechanical stability & detail reproduction · secure and precise fixing of brackets · high building speed
	Application	orthodontic transfer trays for positioning brackets

<div>Flexible Gingival</div> 	<div>Brand : STSoft</div> <div>Color : Garnet</div>	
	Character	<ul style="list-style-type: none"> · very elastic and tear-resistant · dimensional stability · no shrinkage or ageing · no bothering or unpleasant odors
	Application	Gingiva mold

<div>Cast Wax</div> 	<div>Brand : STCrown</div> <div>Color : Yellow</div>	
	Character	<ul style="list-style-type: none"> · 3D model casting with distortion-free & precise · residue-free burning out · dimensional stable · good construction precision
	Application	Wax mould for dental casting

Sartort®Dental Property Parameter Table

Brand		ST5100	ST002-8	ST031	ST031-6	STSoft	STCrown
Viscosity (cps@25℃)		310	550	140	500	500	——
Density (g/cm³)		1.096	1.11	1.104	1.115	1.093	——
Tensile strength (MPa)	GB/T 1040.1-2006	50-60	35-40	30-40	50-60	3-5	10-15
Elongation at Break (%)		8-15	8.8-11.6	10-15	10-17	60-75	10-15
Izod Impact (J/m)	GB/T1843-2008	80	70	45-55	——	N/A	N/A
Tear Strength (KN/m)	GB/T 529-91	N/A	N/A	N/A	N/A	20-30	N/A
Hardness (D)	GB/T2411-2008	83	82	84	79-85	75-85A	N/A
Glass transition (℃)	DMA,tanθ peak	87.7	76.5	75	——	N/A	N/A
wavelength (nm)		355	385-405	385-405	385-405	385-405	385-405

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