

Perfactory® E-Dent

Acrylic

EnvisionTEC, Inc.

Message:

EnvisionTEC's E-Dent is a light-cured micro-hybrid filled dental crown and bridge material for long term temporaries for use on the Perfactory® High Productivity DDP machine. Provisionals are photo polymerized on a voxel-by-voxel basis (volumetric pixel) of the liquid resin. E-Dent can also be used for printing of very tough veneers that are extremely accurate with a very fine surface finish. E-Dent is currently available in 3 shades A1, A2 and A3. Structures can be cut back and then layered using any light-curable shade composite. It is FDA approved. EnvisionTEC's E-Dent has been developed especially for the manufacturing of long term crown and bridge provisional. Full crowns or multi unit bridges can be printed. The printed design can also be cut back to allow for color layering and shading.

Applications

Dental

Recommended Machines:

PixCera, Perfactory® 4 DDP Series

General Information		
Filler / Reinforcement	Inorganic,49% Filler by Weight, 30% Filler by Volume	
Features	Filled	
	Good Wear Resistance	
	Outstanding Surface Finish	
	Paintable	
	Ultra High Toughness	
Uses	Dental Applications	
Agency Ratings	FDA Unspecified Rating	
Appearance	Natural Color	
	Off-White	
	Opaque	
	White	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Physical	Nominal Value	Unit
Water Absorption	18.1	µm/mm ³
Hardness - Vickers	25 HV	
Mechanical	Nominal Value	Unit
Tensile Modulus	> 4400	MPa
Tensile Strength	30.0	MPa
Flexural Strength	> 90.0	MPa
Compressive Strength	> 250	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT