

EnvisionTEC D3 White M

Acrylic

EnvisionTEC, Inc.

Message:

EnvisionTEC's D3 M material is a fast-growing, tough material with similar characteristics to ABS plastic. The material is ideal for quickly produced prototypes, client evaluation pieces and dental models.

Applications

Jewelry, MCAD, Dental/Orthodontic

Recommended Machines:

Perfactory® Micro EDU, Perfactory® Micro Ortho, Perfactory® Micro Advantage

General Information			
Features	Good Toughness		
Uses	Dental Applications		
	Engineering Parts		
	Jewelry		
	Modeling Material		
	Mold Making		
	Prototyping		
Appearance	White		
Forms	Liquid		
Processing Method	3D Printing, Stereolithography		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	88		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2590	MPa	ASTM D638
Tensile Strength (Break)	28.2	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus			
--	1870	MPa	ASTM D790
--	1880	MPa	ISO 178/A
Flexural Stress			
--	56.8	MPa	ISO 178/A
Break	50.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact			
-- ¹	24	J/m	ASTM D256
--	2.5	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	83.0	°C	ASTM D648

0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.8	°C	ASTM D648
1.8 MPa, Unannealed	48.9	°C	ISO 75-2/A

NOTE

1.
- Method B

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Recommended distributors for this material

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