

3SP™ White

Unspecified

EnvisionTEC, Inc.

Message:

The EnvisionTEC ABS 3SP™ White material is a fast-growing, tough material with similar characteristics to ABS plastic.

Applications

Aerospace, Animation and Entertainment, Architecture and Art, Automotive, Consumer Packaged Goods, Dental/Orthodontic, Education, Electronics, MCAD, Sporting Goods, Toys

Recommended Machines:

ULTRA® 3SP™ and 3SP™ HD, 3Dent™, ULTRA® 3SP™ Ortho, Xede® 3SP™, Xtreme® 3SP™

General Information			
Features	Good Toughness		
Uses	Aerospace Applications Automotive Applications Consumer Applications Dental Applications Electrical/Electronic Applications Engineering Parts Modeling Material Prototyping Sporting Goods Toys		
Appearance	White		
Processing Method	3D Printing, Stereolithography		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore D)	85	ASTM D2240	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ASTM D638
Tensile Strength (Break)	35.6	MPa	ASTM D638
Tensile Elongation (Break)	3.7	%	ASTM D638
Flexural Modulus	2290	MPa	ASTM D790
Flexural Strength (Break)	81.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact ¹	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	70.0	°C	
1.8 MPa, Unannealed	43.3	°C	
NOTE			

1. Method B

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Recommended distributors for this material

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