

3SP™ Material

ABS 3SP™ Tough

EnvisionTEC's new ABS 3SP™ Tough is an extremely tough ABS-like 3D printing material for 3SP™ technology. ABS 3SP™ Tough is an ideal solution for a wide variety of applications including snap-fit items, assembly applications, and living hinges which require some elasticity. It is a tough material, suitable for high quality prototypes of items in categories such as automotive and consumer goods as well as stable enough for production-quality end use parts. ABS 3SP™ Tough is ideal for any application which requires a material capable of holding high stress and force. It is also capable of very high speed builds, allowing for large models to be built in under a day without sacrificing its exceptional surface quality.

Material Properties*	
Description	
Heat Deflection Temperature	60 degree C at 1.82 MPa
Impact Izod	16.5 J/m
Description	After post curing 5 min x 2
Tensile Strength	75 MPa
Tensile Modulus	1927 MPa
Elongation at Break	5.2%
Flexural Strength	125 MPa
Flexural Modulus	3016 MPa

*All data provided is preliminary data and must be verified by the individual user.

Recommended Machines
ULTRA® 3SP™, ULTRA® 3SP™ HD, Xede® 3SP™ and Xtreme® 3SP™

Applications
Aerospace, Animation and Entertainment, Architecture and Art, Automotive, Consumer Packaged Goods, Education, Electronics, Manufacturing, Sporting Goods, Toys

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