



3SP™ Material

ABS 3SP™ Flex Series

EnvisionTEC's new ABS 3SP™ Flex Series is an extremely flexible ABS-like 3D printing material for 3SP™ technology. ABS 3SP™ Flex 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™ Flex 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	After post curing 5 min x 2
Tensile Strength	65 MPa
Tensile Modulus	1772 MPa
Elongation at Break	6.6%
Flexural Strength	108 MPa
Flexural Modulus	2543 MPa
Colors Available	ABS 3SP™ Flex Black, ABS 3SP™ Flex Gray, ABS 3SP™ Flex White

*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

EnvisionTEC GmbH

Brüsseler Straße 51 • D-45968
Gladbeck • Germany
Phone +49 2043 9875-0
Fax +49 2043 9875-99

EnvisionTEC, Inc.

15162 S. Commerce Dr.
Dearborn, MI 48120 • USA
Phone +1-313-436-4300
Fax +1-313-436-4303

www.envisiontec.com

info@envisiontec.com

