



3SP™ Material

Superflex 3SP™

EnvisionTEC's new Superflex 3SP™ is an extremely flexible polypropylene-like 3D printing material for 3SP™ technology. Superflex 3SP™ 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. Superflex 3SP™ 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	46 degree C at 1.82 MPa	
Impact Izod	16.5 J/m	
Description	Uncured	Cured
Tensile Strength	32 MPa	53.8 MPa
Tensile Modulus	1104 MPa	1480 MPa
Elongation at Break	10%	6.8%
Flexural Strength	62 MPa	90 MPa
Flexural Modulus	1363 MPa	2064 MPa

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

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

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

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