



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 | 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 |

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

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