



Perfactory® Material

Superflex

EnvisionTEC's new Superflex is an extremely flexible polypropylene-like 3D printing material for Perfactory® technology. Superflex 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 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
Heat Deflection Temperature	N/A	46 degree C at 1.82MPa

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

Recommended Machines
Desktop XL, Perfactory® 3 Mini Multi Lens, Perfactory® 4 Mini XL - UV Mode only

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

