



Perfactory[®] Material

ABS Flex Series

EnvisionTEC's ABS Flex Series is an extremely flexible ABS-like 3D printing material for Perfactory[®] technology. ABS Flex is an ideal solution for a wide variety of applications including snap-fit items and assembly applications 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 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
Viscosity	765 cP at 30°C
Colors Available	ABS Flex Black, ABS Flex Gray

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

Recommended Machines (UV Models Only)
Perfactory [®] Desktop XL, Perfactory [®] 4 Standard, Perfactory [®] 4 Standard XL, Perfactory [®] 4 Mini, Perfactory [®] 4 Mini XL, Perfactory [®] 3 Mini Multi Lens

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



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