

Perfactory® ABflex

Acrylic

EnvisionTEC, Inc.

Message:

ABflex provides the same structural representation of AB plastic with new flexibility characteristics.

EnvisionTEC's AB Materials are the closest prototype resins to production grade ABS Plastic. Finally, rapid prototyping/3D printing has a true production representation of ABS with the launch of the AB materials from EnvisionTEC. Combining AB Materials with patented DLP technology exclusively from EnvisionTEC gives you the absolute closest 3D representation available in the industry.

Applications

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

Closest prototype resin to production grade ABS Plastic

Provides sharpest production representation of AB plastic

Best utilized for functional prototypes

Best quality and value in industry

Extreme durability or flex capability

Best value per kilogram in industry

Recommended Machines:

Perfactory® 4 Standard with ERM, Perfactory® 4 Standard XL with ERM, Perfactory® 4 Mini XL with ERM, Perfactory® 4 Mini with ERM, Perfactory® 3 Mini Multi Lens

General Information		
Features	Durable	
	Good Flexibility	
Uses	Aerospace Applications	
	Automotive Applications	
	Consumer Applications	
	Electrical/Electronic Applications	
	Engineering Parts	
	Modeling Material	
	Prototyping	
	Sporting Goods	
	Toys	
Appearance	Opaque	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Physical	Nominal Value	Unit
Specific Gravity	1.10 to 1.12	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D)	77	
Mechanical	Nominal Value	Unit
Tensile Strength	28.6	MPa
Tensile Elongation (Break)	15	%

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