

Perfactory® HTM140IV

Acrylic

EnvisionTEC, Inc.

Message:

EnvisionTEC's new HTM140IV High Temperature Mold Material in Ivory dramatically changes 3D printing capabilities for manufacturers. With a heat deflection temperature of 140°C straight out of the machine, high definition parts printed in HTM140IV can be directly vulcanized in rubber, eliminating the need for a metal master. It is designed to withstand both the heat and pressure of vulcanizing the model in rubber with incredible detail and no loss of dimensional stability. It can also be used in a variety of applications that require thermal resistance such as items to be metallized or tested for high temperature gas and liquid applications. To add to its versatility, another use is for making tools for small run injection molding.

Applications

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

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	High Heat Resistance	
	Outstanding Surface Finish	
Uses	Aerospace Applications	
	Automotive Applications	
	Consumer Applications	
	Electrical/Electronic Applications	
	Mold Making	
	Molds/Dies/Tools	
	Prototyping	
	Sporting Goods	
	Toys	
Appearance	Ivory	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Mechanical	Nominal Value	Unit
Tensile Strength	56.0	MPa
Tensile Elongation (Break)	3.5	%
Flexural Modulus	3350	MPa
Flexural Strength	115	MPa
Thermal	Nominal Value	Unit
Heat Deflection Temperature ¹	140	°C
NOTE		
1.	No heat treatment necessary	

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