



Perfactory® Material

HTM140IV High Temperature Mold Material

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.

Material Properties*	
Description	HTM140IV
Tensile Strength	56 MPa
Elongation at Break	3.5%
Flexural Strength	115 MPa
Flexural Modulus	3350 MPa
HDT (Heat Deflection Temperature) No heat treatment necessary	140°C (284°F)
Color	Ivory

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

Recommended Machines
Desktop XL, Aureus, Apollo, Perfactory® 4 Standard Series, Perfactory® 4 Mini Series, Perfactory® 4 Mini, Perfactory® 3 Mini Multi Lens

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