

Digory, Digital Ivory - Rithika Narayan

- Used as a replacement for animal ivory in art restorations
 - Prevents elephant poaching while providing more durable material
- Made from synthetic resin with calcium phosphate particles and silicon oxide powder
- Printed using stereolithography (resin printers)
- Can mimic the translucency of natural ivory based on amount of calcium phosphate and mimics the natural color patterns using black tea
- Has been used in the restoration of a 17th century Austrian shrine



Elephant ivory and Digory



Natural ivory patterns mimicked



Prints delicate structures