

## 3D Printed materials for Anatomical bone like models

Material / Description	ABS Acrylonitrile butadiene styrene SPG 1.08 g/cc	PA / Polyamide Nylon 11,12 SPG 1.03 -1.05 g/cc	PLA/Wood Poly Lactide Acid, MA with Wood SPG 1.20-1.26 g/cc	FibreTuff Nylon, Polyolefin, Cellulose fiber SPG 1.06-1.08 g/cc
3D Printed cortical and trabecular with minimum pore size of 50 micron for building scaffolds.	No	No	Yes	Yes
Requires barium sulfate, tungsten, bismuth for bone like radiopacity	Yes	Yes	Yes	No
Grows mold after prolonged exposure to moisture/ elements	No	No	Yes	No
Ingredients include Maleic Anhydride a skin irritant	No	No	Yes	No
Standard sterilization methods can be applied	Yes	Yes	No	Yes
Bone like appearance and feel with radiopacity	No	No	No	Yes
3D Printed in FDM and SLS method	No	No	No	Yes
Drilling/cutting ability using high speed feed rates similar to PEEK without melting	No	No	No	Yes
Biocompatible with osteo conductive qualities	No	No	No	Yes