

Sawbones Second-Generation Simulated Cortical Bone

Category : Other Engineering Material , Composite Core Material , Polymer , Thermoset , Epoxy , Epoxy, Molded, Glass Fiber Filler , Filled/Reinforced Thermoset

Material Notes:

E-glass / Epoxy Composite Sawbones® Second-Generation composite bone is a combination of e-glass cloth, mat, and roving, layered around a rigid polyurethane foam core, which models the cancellous material. The cortical layer is formed by pressure injecting epoxy into the e-glass material that surrounds the foam core. Standard bone models are manufactured with a solid rigid polyurethane foam cancellous core material, unless cellular rigid polyurethane foam is specified. Second-Generation bones do not have an intermedullary canal. Information provided by Sawbones.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sawbones-Second-Generation-Simulated-Cortical-Bone.php

Physical Properties	Metric	English	Comments
Density	2.08 g/cc	0.0751 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	172 MPa	24900 psi	
Modulus of Elasticity	18.615 GPa	2699.9 ksi	
Compressive Yield Strength	275 MPa	39900 psi	
Compressive Modulus	14.2 GPa	2060 ksi	

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