MEDNET

Model Exchange & Development of Nursing &
Engineering Technologies

Finger Splint

MEDNET File: Finger_Splint.stl

Description

A model of a splint used on a broken phalange.

Features

A 3D model printed from PLA filament that is designed to hold two fingers together to keep the injured finger straight and aid in the healing process of the phalange.

Development Information

Materials needed: PLA filament
Finished dimensions: 2.25"x 2.5"x 0.06"
PLA filament ≈ 0.63 of a roll
Production time ≈ 2.5 hours
Approximate materials cost: $0.63

Instructions for Use

The splint can be used on any two fingers and can also be molded to fit each patient's finger type. The splint uses another finger to keep the broken finger straight.

Material Procurement Information

Filament: Hatchbox Filament 1.75mm - $22.99/roll (prices vary per color)
https://www.amazon.com/HATCHBOX-3D-Filament-Dimensional-Accuracy/dp/B00J0ECR5I/ref=sr_1_4?crid=2GJUX43SIM4TP&dchild=1&keywords=pla+filament+1.75mm&qid=1590077168&sprefix=pla+filament%2Caps%2C178&sr=8-4