

reinforcement lay-up for the hip Socket 1.Socket discomfort: Might cause discomfort or sores where the prosthesis attaches.The foot is removed but the heel pad is saved so the patient can put weight on the leg without a prosthesis Symes prosthesis Adv of symes Disadv of symes A Symes prosthesis is a type of lower limb prosthetic device used for individuals who have undergone an amputation at the ankle joint Adv of symes 1.Materials' Properties: Physical – Physical properties are characteristics of a material related to how it behaves without changing what it's made of. They include things like how well it conducts electricity, how hot it needs to get before it melts, how much heat it can hold, how much it expands when it gets hot, and whether it's magnetic or not.Metals – Aluminum, titanium, and stainless steel are metals often used in orthoses and prostheses – They are chosen because they are strong and durable but not too heavy.Temperability: – Temperability refers to how well a material can be hardened or softened through heat treatment to achieve desired properties.Cut a piece of Perlon Stockinette (a type of fabric) to the right length based on the size needed (20, 25, or 30 cm).Safety Precautions for Cutting or Tearing Glass Fiber Materials Safety Precautions: – When cutting or tearing glass fiber materials, do it under a suction hood to prevent small particles from floating in the air.Castability: – Castability refers to how well a material can be melted and poured into a mold to create a specific shape.Solderability: – Solderability is how well a material can be joined or bonded with solder (a metal alloy) when heated.Limited ankle movement: Can't move the ankle much, affecting walking on uneven ground.Place a layer of Fiberglass Matting over the lower part of the model where the hip socket sits.Next Step: – Cut another piece of Perlon Stockinette fabric to the right length.Plastics – Thermoplastics are types of plastic that can be heated and reshaped.These metals provide the necessary structural support for the devices while being lightweight enough for comfortable use.– It's like how you can change the texture of dough by baking it at different temperatures.2.3.4.2.3.5.2.3.4.2.