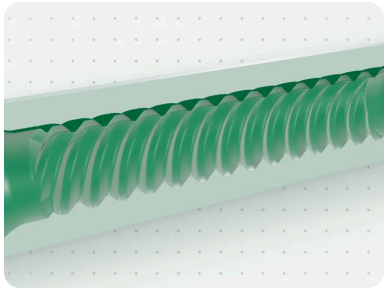
Make your own sleeve: cheat sheet

Sleeve Studio quick guide. Prices checked November 17, 2026; they can change.

1 Design it in Sleeve Studio



- Open Sleeve Studio and pick a design. Turn the 3D view with your finger or mouse.
- Fine-tune with the sliders: height, size and packing of the texture, from Mild to Extreme.
- Build: **Whole sleeve** uses one design end to end. **4 sections** lets you give each quarter its own design; section 1 is at the entrance.
- Name your design and press **Download**. Building the mandrel file takes about a minute.

2 Print the mandrel



- The zip holds your mandrel STL, the plug STL, your design file and this guide.
- Print both STLs in **SLA resin**. Not on a PLA or filament printer.
- Print service: any online 3D printing service. Pick SLA resin, standard white, sanded finish.
- Keep the mandrel under 59 C (138 F): no dishwasher, no hot water, no sun.

3 What you need

ITEM	NOTES	PRICE
Ecoflex 00-20, 2 lb trial unit	The one to start with. Much thinner to pour than 00-10, which makes it easy to get a clean pour.	$33.44
Ecoflex 00-10, 2 lb trial unit	The softest. Very thick to pour: pour slowly, a vacuum chamber helps.	$36.05
Ecoflex 00-31 Near Clear, trial unit	Nearly clear and the firmest of the three. About as firm as you want it, and still really good.	$40.29
1.5 inch Schedule 40 PVC pipe, 2 ft: Amazon or any big-box home improvement store (example)	One 2 ft length makes 3 molds. Cut to 200 mm (7-7/8 in).	about $5
Vacuum chamber (optional): Amazon	Not required, but a big help: fewer bubbles.	
Mold release: petroleum jelly, or Ease Release 200	Vaseline works great. Keep the coat thin.	
From around the house	Kitchen scale (grams), 2 plastic cups, stir sticks, painter's tape, nitrile gloves, a saw for the pipe, sandpaper, mild soap.	

One 2 lb trial unit makes about 4 sleeves (about 200 g each).

4 Prep

- Cut the pipe to 200 mm and sand the ends flat.
- Thin film of petroleum jelly or release on the mandrel, the plug and inside the pipe.
- Plug one end of the pipe and tape the joint.
- Nitrile gloves only: latex and sulfur clay stop platinum silicone from curing.



5 Mix and pour





- Stir A and B in their jars. Weigh equal parts A and B: about 100 g each (your order card has the exact grams).
- Mix 3 minutes, scraping sides and bottom. Pour into a second cup and mix 1 more minute.
- Optional: vacuum the mixed cup until it rises and falls. Never vacuum the filled mold.
- Brush silicone into the mandrel's pits. Set the mandrel in the pipe: end in the plug, hat on the pipe.
- Pour a thin stream into one hat window until the mix stands in every window. Tap 20 times, wait 5 minutes, top up.

6 Cure, demold, care





- Wait 4 hours at room temperature, above 65 F (18 C).
- Remove tape and plug. Pull the mandrel by its hat, turning it on twisting designs.
- Push the sleeve out from the closed end. Trim the thin rim ring.
- Wash with mild soap and warm water. Dry, then dust with cornstarch. Use water-based lubricant only.