

INSTRUMENT POLYCAPROLACTONE



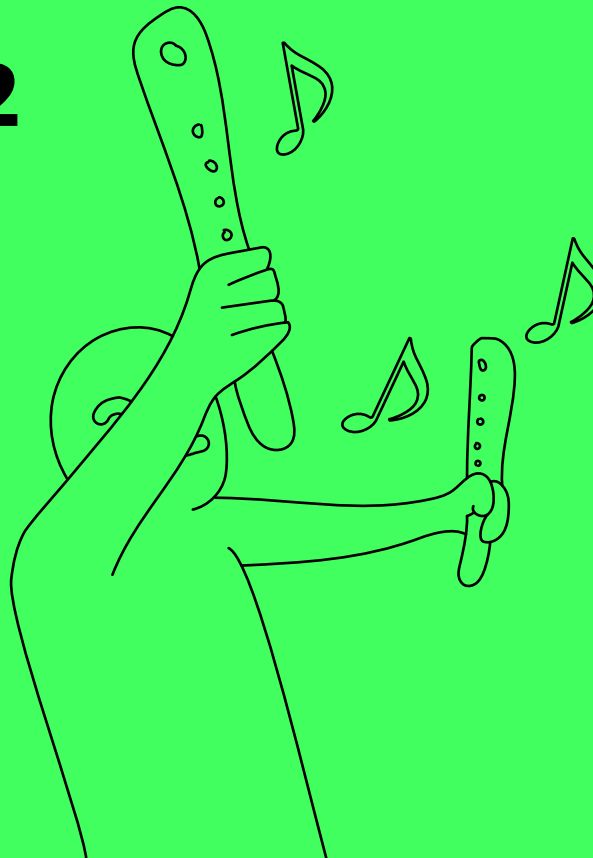
Instrument Polycaprolactone (ipcl) is a life-friendly product that offers three multifunctions, allowing it to be close to customers' lives beyond playing musical instruments.

1



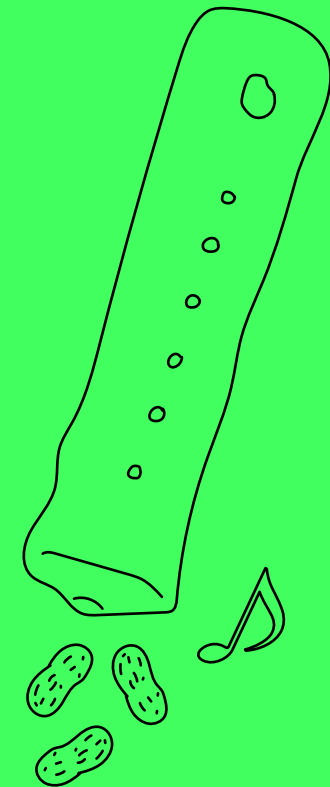
You can put the nail in with ipcl wherever you want.

2



You can protect yourself musically, win solo parts in concerts.

3



You can store snacks to eat when your mouth bored.

INSTRUMENT POLYCAPROLACTONE DIY MANUAL

About Polycaprolactone (PCL)

Polycaprolactone (PCL) is a biodegradable, thermoplastic polymer that becomes soft and moldable at low temperatures (around 60°C). Its safety, reusability, and ease of handling make it an ideal material for creating DIY instruments. This manual outlines the basic steps to create sound-producing objects using PCL.

Step 1: Heat the PCL

Use a hairdryer or immerse the polycaprolactone (PCL) pellets in hot water (approximately 60°C) until they become soft and malleable. Always handle with care to avoid burns.

Step 2: Shape the Instrument

Once softened, mold the PCL into the desired shape by hand or using a form. Be cautious, PCL retains heat and may still be hot during shaping.

Step 3: Create Airholes

Before the PCL fully hardens, pierce airholes using a heated metal rod or appropriate tool. Ensure the openings allow sufficient airflow and correspond to your intended pitch or sound structure.

Step 4: Let It Cool & Test the Sound

Allow the instrument to cool down completely until it hardens. Once solid, test the sound by blowing air through the mouthpiece. Adjust hole positions or shapes if needed.