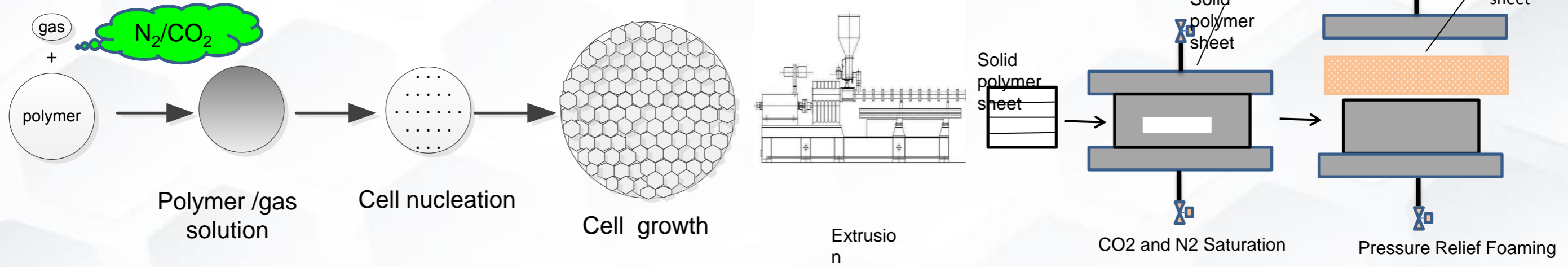


# 2.1. Physical foaming mechanism



## Part of foaming capabilities:



Microcellular sheets Foaming



3D Block Foaming



Beads Foaming Water-free



Semi-continuous Rolls Foaming

# 2.2 Manufacturing process-Foaming Sheets



Adding raw material



CO2/N2 Gas



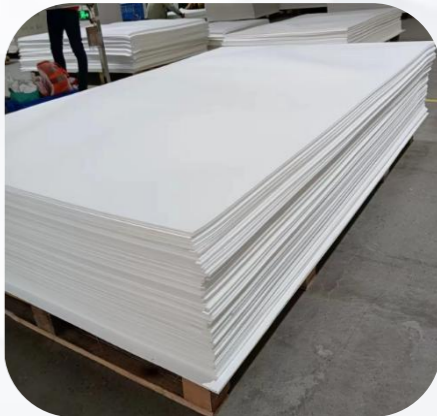
Extrusion



Solid sheets



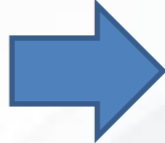
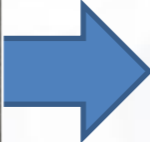
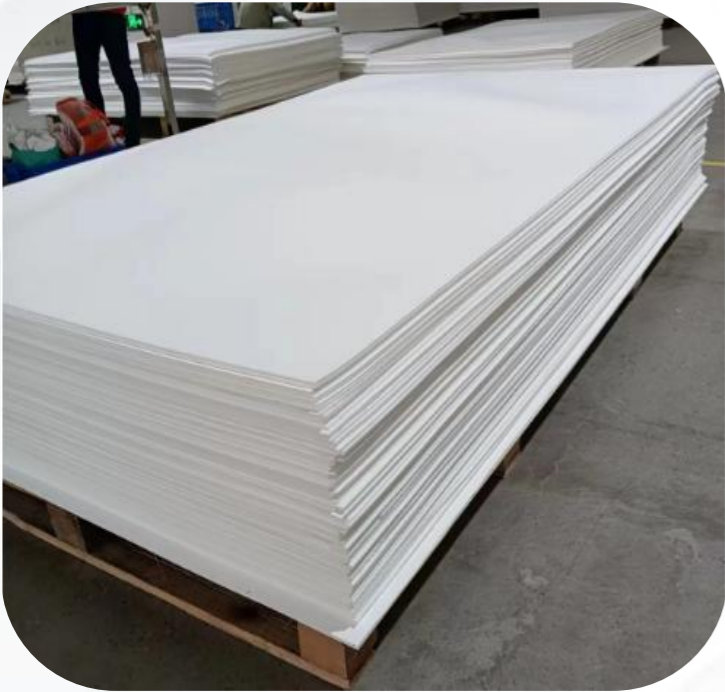
Molded foam machines



Foamed sheets

**Clean & Green & Lightweight- No Ingredients**

# 2.2.1 Manufacturing process- SCF MTPU Rolls



MTPU sheets bonding together piece by piece through heat

MTPU rolls slicing into different thickness

MTPU 1mm thickness rolls

**Clean & Green & Lightweight - No Ingredients**

# 2.3 MTPU Rolls(1mm thickness) application



MTPU 1mm thickness rolls



MTPU laminated with fabric



Bags/shoe uppers/etc.

**Clean & Green & Lightweight - No Ingredients**

# 2.3.1 MTPU Rolls(1mm thickness) application

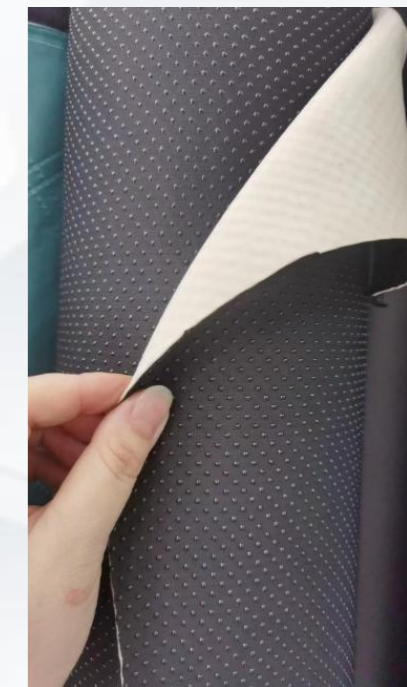
Middle layer MTPU foam



## 2.4 Why choose MTPU Rolls(1mm thickness)?

Benefits of fabric with 1mm thickness MTPU foam as base layer (e.g. in total 1.5mm thickness)

1. High-elastic means no wrinkles occur, it bounces back quickly after being pressed
2. Super light-weight and soft; weight 300g per square meter
3. Excellent tear strength, withstanding tension of 63kg
4. Oil and dirt resistance
5. Environmentally friendly without odor and waterproof.  
The use of PUR adhesive for bonding means 0 formaldehyde, 0 phthalates, safety of medical grade MTPU foam could be recycled



# 3. Recyclability

