Here's how to calculate the weight of an **E-seal silicone vacuum bag** with a thickness of 3mm and external dimension of 2M × 3M using the four-step process:

Step 1: Determine the Dimensions

- Thickness: 3mm
- Width: 2M
- Length: 3M
- Two layers (top and bottom silicone sheets)

Step 2: Calculate the Silicone Sheet Weight

Using the formula:

Density (1.3g/cm^3) × Thickness × Length × Width × 2 Layers

Calculation:

1.3g/cm^3 × 3mm × 2M × 3M × 2

Convert measurements to centimeters:

1.3 × 0.3cm × 200cm × 300cm × 2 = 46.8kg

Step 3: Add the E Sealing Strip Weight

Using the formula:

(Length + Width) × 2 × 2 Layers × 0.5kg/M

Calculation:

(2M + 3M) × 2 × 2 × 0.5kg/M

(2 + 3) × 2 × 2 × 0.5 = 10kg

Step 4: Calculate the Total Weight

Add the weights from Steps 2 and 3:

Silicone Sheets: 46.8kg

Sealing Strips: 10kg

Total Weight = 46.8kg + 10kg = 56.8kg

Final Result

The **net weight** (N.W.) of a vacuum bag with 3mm thickness and external dimensions of 2M × 3M is approximately **56.8kg per set**.