

Consumption don knit

A. Body fabric Consumption.

$$\frac{L+SL+AL}{100} \times \frac{\frac{1}{2}c+AL}{100} \times \frac{GSM}{1000} \times 2 \times 12 + 12\%$$
$$= \frac{72+20+10}{100} \times \frac{\frac{1}{2}54+10}{100} \times \frac{160}{1000} \times 2 \times 12 + 12\%$$

$$= 1.178 \text{ kg/dz}$$

B. Neck Rib Consumption:

$$\text{Width} = \text{Neck width} \times 2 + 2 \text{ cm}$$

$$= 19 \times 2 + 2$$

$$= 40 \text{ cm}$$

$$\text{Total Height} = \text{Rib Height} \times 2 + \text{Allowance}$$

$$= 2.5 \times 2 + 2$$

$$= 7 \text{ cm}$$

$$\text{Consumption (kg/dz)} = \frac{40 \times 7 \times 200 \times 12}{10^7} + 12\%$$

$$= 0.187 \text{ kg/dz}$$

$$\begin{aligned}\text{Total Consumption (A+B)} &= (1.178 + 0.187) \text{ kg/dz} \\ &= 1.365 \text{ kg/dz}\end{aligned}$$

Collected data,

$$\text{Actual weight} = 95 \text{ gram / 1 pc.}$$

$$\begin{aligned}\text{Difference} &= (113.75 - 95) \text{ gram} \\ &= 18.75 \text{ gm.}\end{aligned}$$