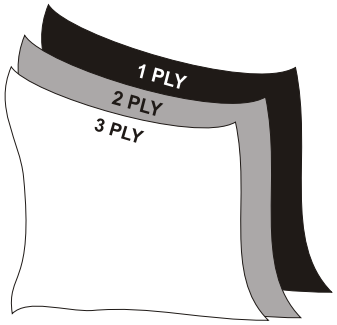
CALCULATING GAUGE & NET WEIGHT

ALUF PLASTICS®
OUR REPUTATION IN EVERY BAG



Calculating Bag Thickness:

1. **Weigh 4 bags in lbs. on a scale to get an AVERAGE weight.**
   (If scale provides weight in OUNCES divide by 16; or if by GRAMS, multiply x .0022, to get lbs.)
2. **For width and length below use ACTUAL exact length you physically measured,** (not what is on the label.)

For Low Density

Weight in lbs. ÷ Total Width ÷ Length ÷ # of bags weighed x 15 = Gauge
for example see below

Try it _____ lbs.÷ _____ Width ÷ _____ Length ÷ _____ # of bags weighed x 15 = _____ Mil

i. Example: 29.4 Net Weight 38x58, 2 mil, LLDPE 100 count =
ii. 29.4 lbs.÷ 38 Width ÷ 58 Length ÷ LLDPE 100 count x 15 = **.002 mil**

For High Density

Weight in lbs. ÷ Total Width ÷ Length ÷ # of bags weighed ÷ 0.0686 x 25,400 = Gauge
for example see below

Try it _____ lbs.÷ _____ Width ÷ _____ Length ÷ _____ # of bags weighed ÷ 0.0686 x 25,400 = _____ Micron

i. Example: 20.75 Net Weight 40x48, 16 Micron HDPE 250 Count =
ii. 20.75 lbs.÷ 40 Width ÷ 48 Length ÷ 250 count ÷ 0.0686 x 25,400 = **16 mic**

Calculating Net Weight:

For Low Density

Gauge ÷ 15 x Total Width x Length x Pack = Net lbs. per case
for example see below

Try it _____ Gauge ÷ 15 x _____ Width x _____ Length x _____ Pack = _____ Net Weight per Case

i. For LD gauge please input 1.5 mil as .0015, or .5 mil as .0005
ii. Example: 40 x 46, 100 Case, 2 Mil =
iii. .002 ÷ 15 x 40 Total Width x 46 Length x 100 Case = **24.53** Net lbs. per case

For High Density

Gauge ÷ 25,400 x Total Width x Length x Pack x 0.0686 = Net lbs. per case
for example see below

Try it _____ Gauge ÷ 25,400 x _____ Width x _____ Length x _____ Pack x 0.0686 = _____ Net Weight per Case

i. For HD gauge please input 17 Mic as the value of 17÷25,400 = .0006692
ii. Example: 33 x 40, 250 Case, 17 Mic =
iii. 17Mic÷ 25,400=.00066 x 33 Total Width x 40 Length x 250 Case x .0686 = **15.15** Net lbs. per case