apack packagingtecnologies

Thermo Form Technology

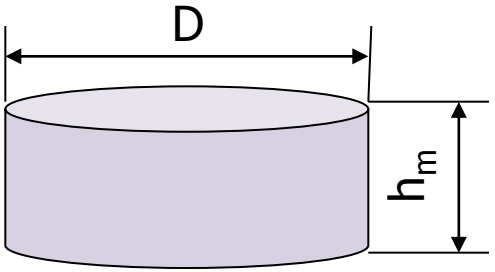
The key role of equipment and packaging

Thermo Form Technology

Form without PLUG

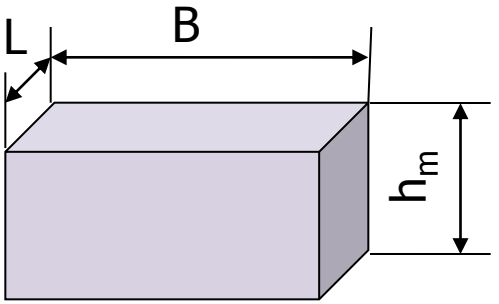
Round tray

Max depth: $h_m = \frac{D}{2}$



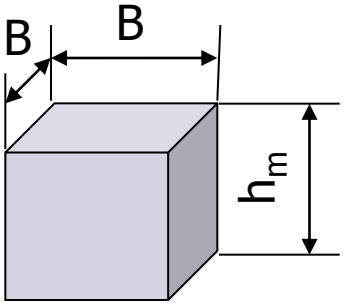
Rectangler tray

Max depth: $h_m = \frac{L \times B}{L + B}$



Square tray

Max depth: : $h_m = \frac{B}{2}$

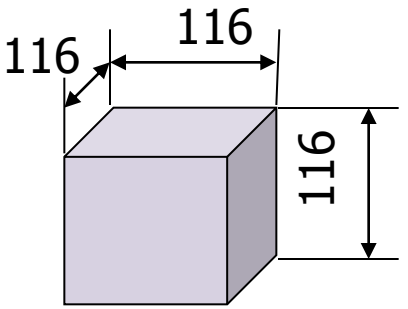


Special form belong to product

depth with plug assist

Plug assist

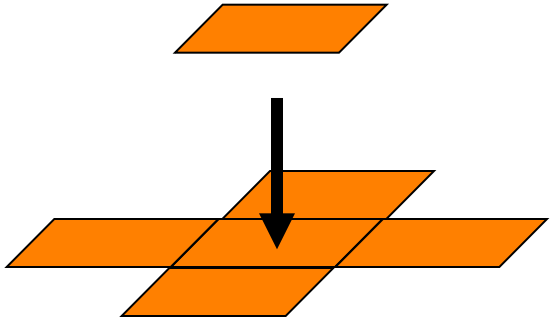
Form set: 116-3.1
Size of pack: 116x116 mm
Height of product: 116 mm



Calculation of depth= $\frac{\text{surface of pack}}{\text{product volume}}$

$\frac{6.75\ dm^2}{1.35\ dm^2}$

5:1

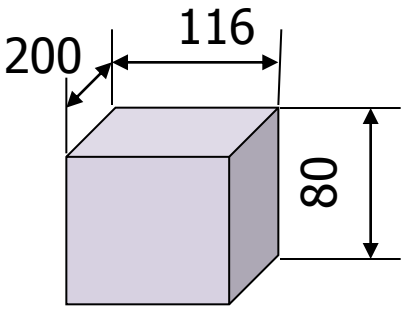


Special form blong to product

Calculation of from depth

Plug assist

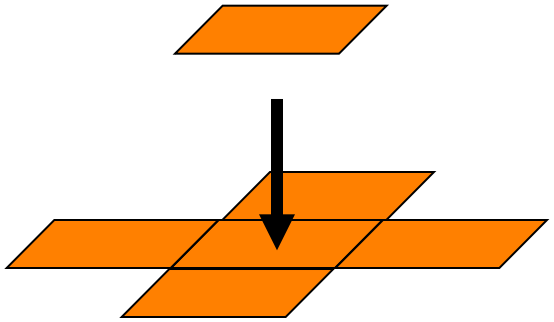
Form set: 200-4.2
Size of pack: 200x116 mm
Height: 80 mm



Calculation of depth = $\frac{\text{surface of pack}}{\text{product volume}}$

$\frac{7.38\ dm^2}{2.32\ dm^2}$

3.17:1



Froming technology

Forming options

When do you need plug assist !

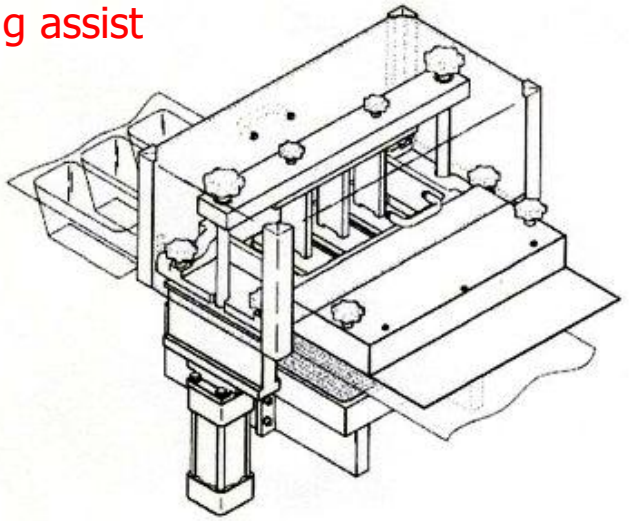
If depth more then= 3:1 or more then you Need plug assist

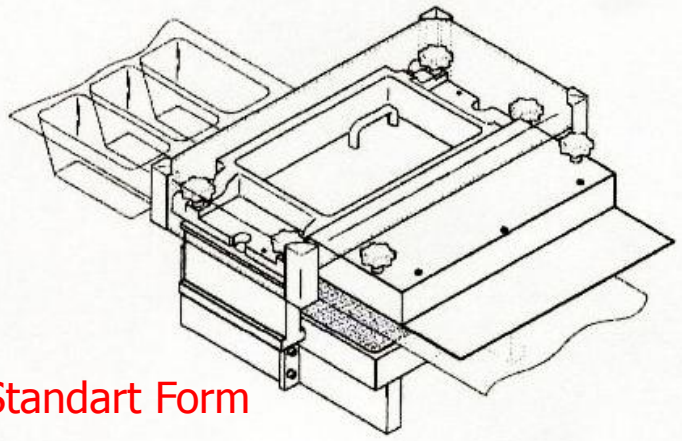
If after the form side is very thin for example:

Film thicknes:deep drawing Value
2

Then you need plug assist

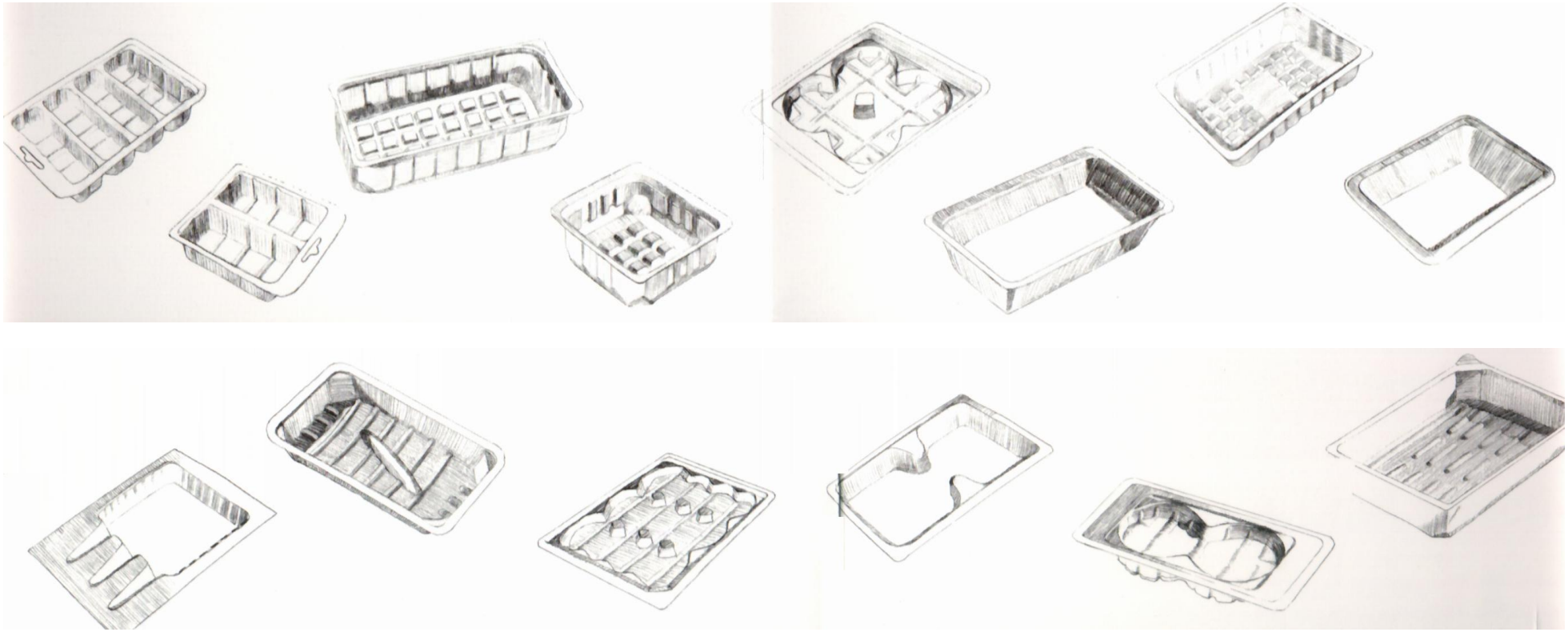
Plug assist





Standart Form

Form plate option



Form plate option