Support: Particle Distribution Test

This Canvas will help you work through determining your particle distribution of the material and help you determine the correct cone size to use for your target weight.

Tools and Materials

#14 screen

#20 screen

#40 screen

100g of material

Weigh scale

Bowls/containers

Step 1

Weigh out 100g of material using the weigh scale and a bowl/container.

image.png

U,{e187de86-316d-478a-bd73-9304d1d5894b}{52},3.125,3.125

Step 2

Stack up the three screens with the #40 screen on the bottom, the #20 screen in the middle, and the #14 screen on top.

image.png

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Step 3

Shake the screen stack above a container until the entirety of the material appears to be sifted. Make sure not to spill any material out from the screen stack or mix up the screen stack order.

Step 4

Weigh out the material both above and below each screen and record each of the weighed values.

The target distribution to look for is:

Above 14 screen: **15% or 15g**

Above the 20 screen: **35% or 35g**

Above the 40 screen: **35% or 35g**

Below the 40 screen. **15% or 15g**