

What is needed?

Precision balance with a display accuracy of 0.001g.

Weighing dish (for single use)

Pull-on syringe, reusable

What are we going to do?

Place the dish and empty syringe on the scale and note the weight as a tare.

Fill the syringe with fluoropolymer HFE solution, place it on the scale together with the dish and record the gross weight.

Gently pour the syringe contents into the bowl and place the syringe aside.

Leave to dry for about 10 hours - preferably overnight - at room temperature.

Place the dry tray and syringe back on the scaled balance and record the net weight.

How do we get the result?

The calculation takes place in such a way that the tare weight is subtracted from the gross and net weights recorded and the two results are compared with each other in order to determine the percentage.

(Net tare): $(\text{gross tare}) \times 100 = \text{percentage of the solid}$

The solids content should be between 1.8% and 2.2%.

Outside these limits, a dosing is required.

The calculation can be done using the attached Excel table >>.

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