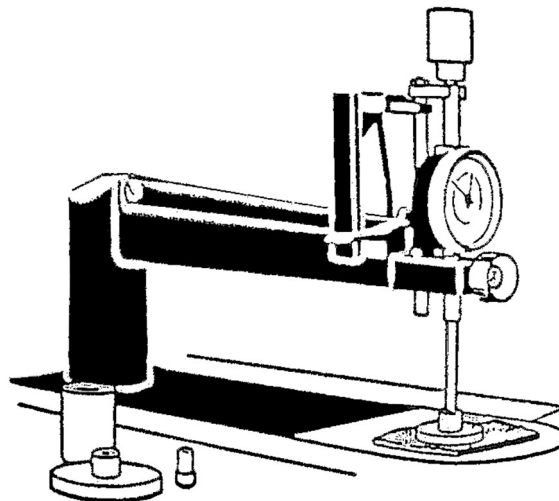


1. The felt is to be measured with a measurement instrument as shown in the diagram; the base plate is to have a flat surface and a diameter of 12 cm.
2. The measurement foot is to have an interchangeable measurement surface of 10 cm² and 25 cm² (DIN 53855). The surfaces of the base plate and measurement foot shall be flat and shall lie in the same plane.
3. The dial indicator is to have a scale up to 5 cm, with a reading accuracy of 1/20 mm (DIN 53855).
4. The measurement pressure is determined by the bulk density of the felt to be measured. The measurement pressure is to be 25 g/cm² for felts with a bulk density of 0.14 g/cm³ and higher. The measurement pressure is to be 5 g/cm² for felts with a bulk density of less than 0.14 g/cm³.
5. It shall be possible to calibrate and check the measuring device for various thicknesses (10, 20, 30 and 40 mm) using gauges.
6. Ideally, the measuring device will be mounted on a table which has a recess the same size and depth as the base plate of the measuring device, so that the felt to be measured can lie flat on the table and measuring device.
7. When the measurement is being carried out, the measurement foot is to be applied slowly and should not be allowed to fall. The measured thickness is read off after a loading duration of 10 seconds.
8. Number of measurements: To evaluate the measurement results, add the thicknesses of three samples and calculate the average thickness (see also DIN 53855).



Felt, naturally good!

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Testing and measurement methods
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