



Material:

Item-no.	Qty.	Description
DM820-1H	1	Bouncing putty

Purpose

Demonstration of the material properties elastic, plastic and brittle.

Experiment 1

We take the special mass out of the container
First we form a roll; afterwards we slowly pull it apart

Result

The property of the mass reacts plastically to viscous.
The mass does not go back to its original shape after the deformation



Experiment 2

Now we form a ball out of the mass.
Afterwards we drop the ball from a height of about 50 cm.

Result

The mass jumps back like a rubber ball.
It reacts elastically and takes on its original shape again immediately after the impact.



Experiment 3

We form a bar with a length of about 10 cm.
Afterwards we tear the mass into two pieces with both hands (hands should be close to each other)

Result

This results in a smooth break point.
This is an indication that in this case the mass reacts like a brittle body.



Note

If you put the mass back into the container and observe it after several hours or days, the mass fills the container as if it had melted, it reacts viscous.