

Elasticity, consistency and adhesion of different body cream



USE

The determination of elasticity, consistency and adhesion for a cream is primordial in order to obtain the optimum texture for the targeted body area.



METHOD

The test is conducted at multiples location inside the cream pot in order to obtain a better sampling. During this test, 2 samples of different body cream are tested. The three-step process is conduct with an 8 mm compression step at 1 mm/s, which characterize the consistency. Next, there is a 10 sec relaxation step characterizing the elasticity. The final traction step which characterizes the adhesive power takes place at speed of 1mm/s.



EQUIPEMENT



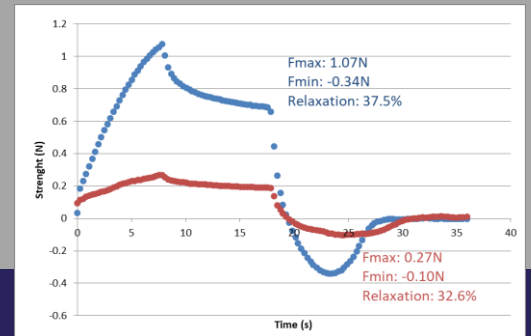
TX-700



Spherical probe 20mm



Software (optional)



RESULTS

Using either the computer software or the TX-700 integrated software, we are capable to determine F_{max} , F_{min} and the relaxation of the product via a CRT method.

In the application above, one cream has an F_{max} 5 times higher than the other. Consequently, it is much more consistency. But it F_{min} is only 3 times higher showing that consistency and adhesion power are not directly linked. Both products have about the same relaxation.

The TX-700 is capable to differentiate the properties of the 2 samples and gives us a quick and easy technic to link the feelings of the testers to real experimental values.

