

MATERIAL TEST **i18**



Strength Test of Materials Related to Pharmaceuticals with Shimadzu Universal Testing Machine, Model Autograph

In general, materials for medication, medical supplies, and other related products encompass items such as suture, injection needles, surgical operation goods, medicines and the packaging materials for these products, Such materials used in the field of health care are also tested and inspected for quality control purposes in various ways depending on their respective uses. The following is an introduction of a peeling test conducted on adhesive plasters for first aid and ointment for external use and an extruding test conducted on sealed medicine tablets.

180 degree Peeling test on first aid adhesive plasters.

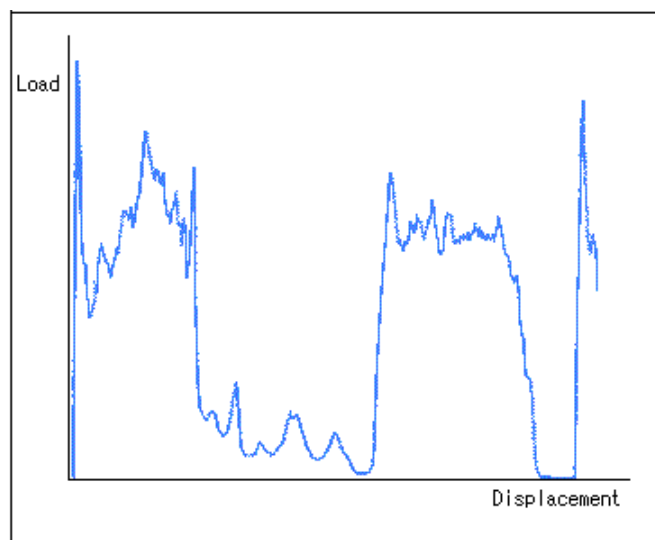
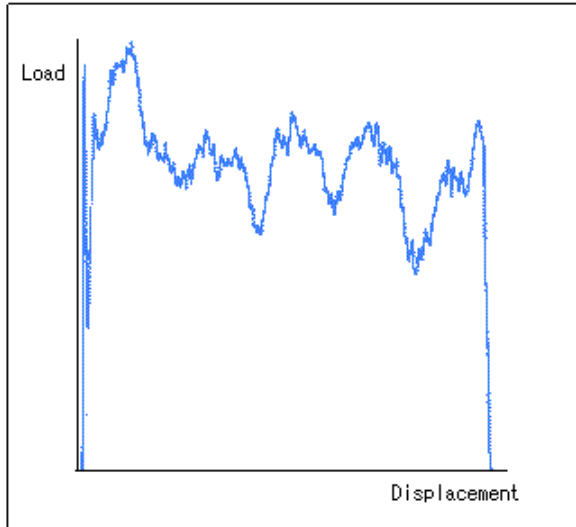


Fig.1
Peeling Test on First Aid Adhesive Plaster at 180 degree Celsius

Test conditions

Grip : 5kg standard Grip
Tensile speed : 100mm/min.
Load range : 500gf/full scale

180 degree Peeling test on ointment for external use

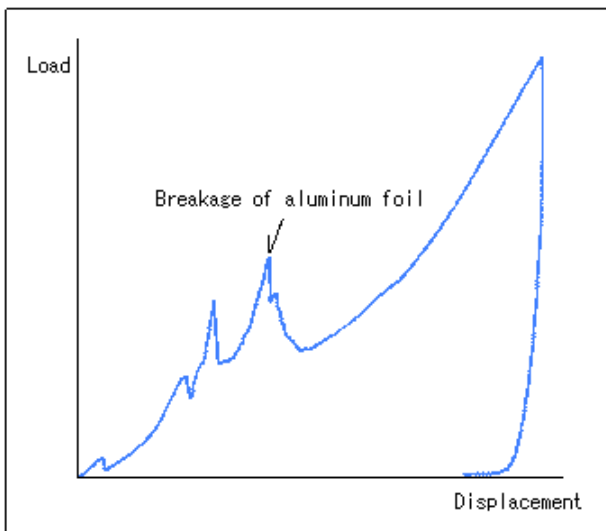


Test conditions

Grip : 5kg standard Grip
Tensile speed : 100mm/min.
Load : 1Kgf/full scale

Fig 2 Peeling Test on Ointment for External Use at 180 degree Celsius

Extruding test on sealed tablet medicine



Test condition

Load : 5Kgf/full scale
Pressing speed : 5mm/min.

Fig.3 Extruding Test on Packaged Tablet Medicine

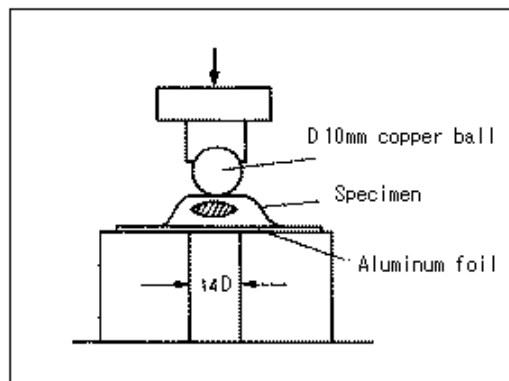


Fig.4

The aluminum foil was broken at a displacement of 2 – 3.5mm and load of 1 – 2kg. The upper plastic film then becomes dented as the load increases.

* Please be advised that data obtained before the implementation of the current Weights and Measures Law may be presented in terms of gravimetric unit.



SHIMADZU CORPORATION International Marketing Division
3,Kanda-Nishikicho 1-chome, Chiyoda-ku,Tokyo 101-8448,
JapanPhone: 81(3)3219-5641 Fax: 81(3)3219-5710
Cable Add,;SHIMADZU TOKYO

SHIMADZU SCIENTIFIC INSTRUMENTS, INC.
7102, Riverwood Drive, Columbia, Maryland 21046, U.S.A.
Phone: 1(410)381-1227 Fax: 1(410)381-1222 Toll Free:1(800)477-1227

SHIMADZU DEUTSCHLAND GmbH
Albert-Hahn-Strasse 6-10, D-47269 Duisburg, F.R. Germany
Phone: 49(203)7687-0 Fax: 49(203)7666-25

SHIMADZU (ASIA PACIFIC) PTE LTD.
16 Science Park Drive #01-01,Singapore Science Park, Singapore 118227, Republic of Singapore
Phone: 65-778-6280 Fax: 65-779-2935

SHIMADZU SCIENTIFIC INSTRUMENTS(OCEANIA)PTY. LTD.
Rydalmere Business Park, Unit T, 10-16, South Street Rydalmere, N.S.W. 2116, Australia
Phone: 61(2)9684-4200 Fax: 61(2)9684-4055

SHIMADZU DO BRASIL COMERCIO LTDA.
Rua Cenzo Sbrighi, 25 CEP 05036-010 Agua Branca, Sao Paulo, BRAZIL
Phone: 55(11)3611-1688 Fax: 55(11)3611-2209

SHIMADZU (HONG KONG) LIMITED.
Suite 1028, Ocean Centre, Harbour City, Tsim Sha tsui, Kowloon, HONG KONG
Phone: 852(2375)4979 Fax: 852(2199)7438

Overseas Office
Istanbul,Beijing,Shanghai,Guangzhou,Shenyang,Chengdu,Moscow