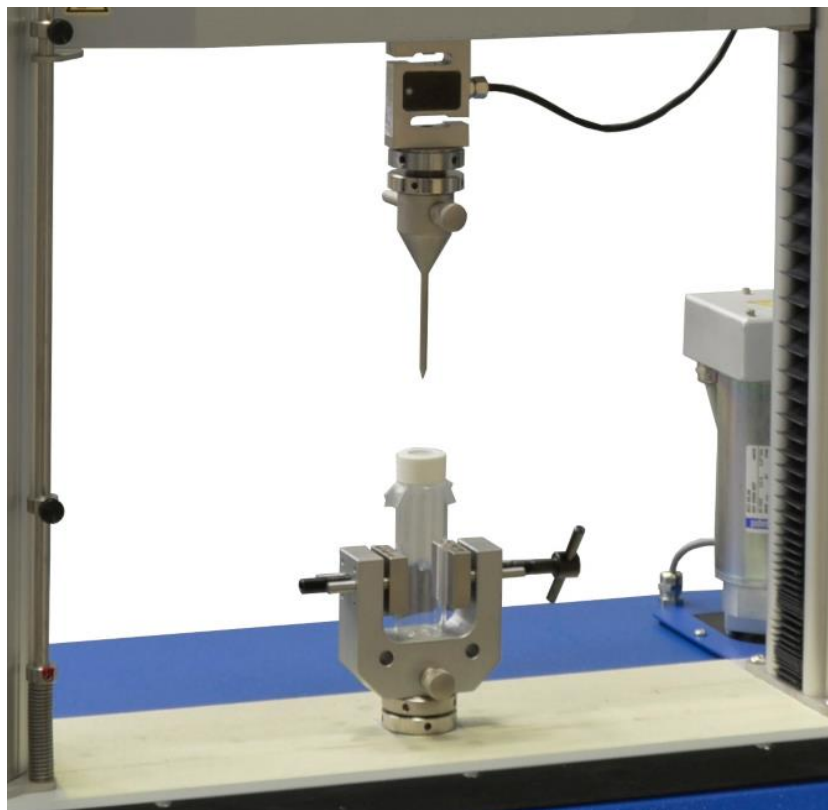




Application information

Testing of protective gloves

according to EN863, EN388, EN374-4





Application:

The resistance of a material for protective gloves to degradation by a liquid chemical is determined by measuring the change in puncture resistance of the glove material after constant contact of the outer surface with the test chemical in question. The test applies to gloves made of natural or synthetic polymer. Lined gloves may give unusable test results.

Three gloves must be selected for the test. A suitable circular die of 20 mm shall be used. Six test specimens shall be punched from each glove (18 test specimens in total). Three specimens from each glove shall be exposed to the chemical being tested. Three specimens are not exposed (nine wetted with the chemical and nine without).

Fill the chemical to be tested into the 150 ml measuring cup. Using the pipette, fill about 2 ml of the chemical to be tested into one of the bottles with rolled rim.

A glove test specimen shall be applied to the septum with the normal outer surface facing the interior of the bottle.

The bottle shall be closed and turned over so that the chemical in contact with the test specimen is in contact with the test specimen. The time shall be recorded. The bottle shall be placed in the punched specimen holder.

The punched-out specimen holder has a dual function:

- 1) It allows air to circulate under the test specimen layer, and
- 2) the piston will remain upright when the pressure from the chemical being tested forces the test specimen into a convex shape.

Place a bottle in the holder. The test specimen shall be pierced and the required peak force shall be recorded.

The test shall be performed with all test specimens. The test specimens shall be examined for any changes in their physical properties during and after the test (after drying). Any changes such as swelling, shrinkage, embrittlement, hardening, softening, flaking, dissolution, colour change/bleaching, delamination shall be indicated and included in the test report for information.