

Tuft Withdrawal Fixtures

Model: C0051 - A

a measurable difference...

IDM[®]
instruments

The IDM Tuft Withdrawal Fixtures are used alongside a tensile machine to measure the force required to withdraw a single tuft or loop of pile from a carpet – that is, the binding force between carpet pile and backing.

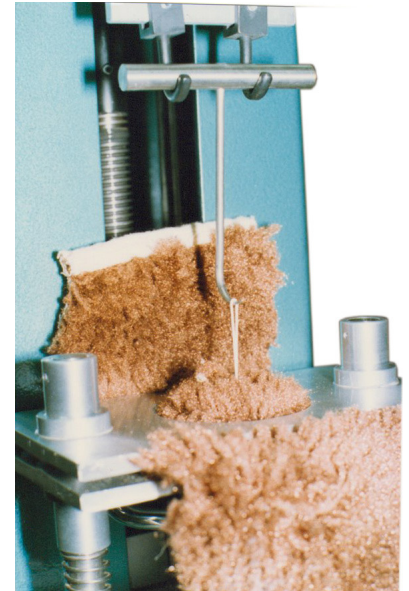
The carpet sample is held down by a steel plate, and a pair of surgical forceps is clamped to one end of the tuft to be tested, or a hook threaded through one loop.

The forceps or hooks are linked to a digital force gauge, which is raised at a steady rate by a small electronic motor.

Tension on the tuft or loop is thus increased and the digital force gauge indicates the maximum force needed to withdraw it.

Applications:

- Textile floor covering which has a tuft (cut) loop pile yarn structure
- Woven: individual loops
- Woven: individual cut tufts



Loop Withdrawal Fixture



Tuft Withdrawal Fixture