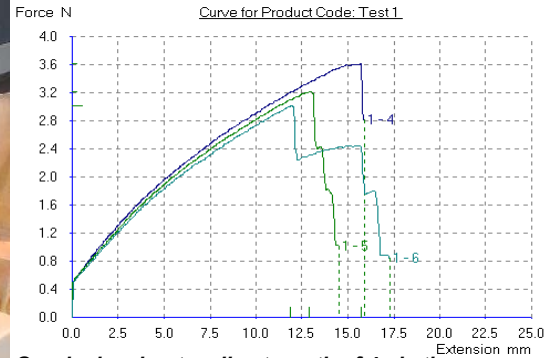


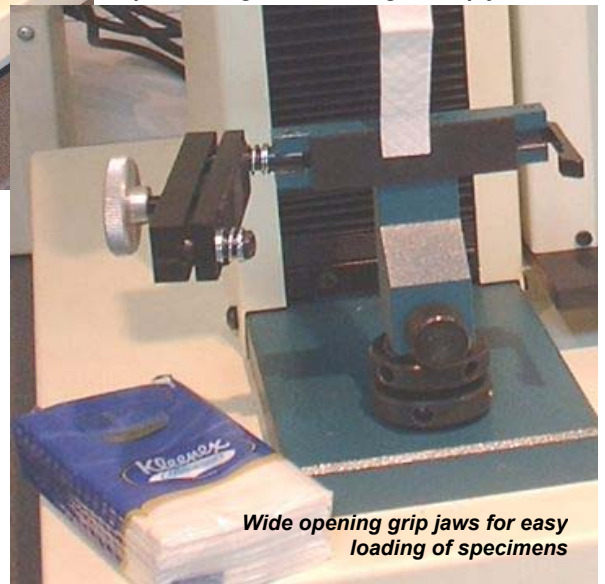
Application Note

TENSILE, COMPRESSION, IMPACT, MELT FLOW, BRINELL, SHEAR, STRETCH RECOVERY, PUNCTURE, HEAT DISTORTION (VICAT), BEND/FLEXURE, SEAM STRENGTH, TORSION

Tissue testing – Tensile tests *various international standards*



Graph showing tensile strength of 4 ply tissue



Wide opening grip jaws for easy loading of specimens

Recommended system for discussion;

- **H1K-S materials testing machine**
- **100 N load cell**
- **HT55 grips (rubber faced, 60mm wide)**

Options

- **5 N load cell**
- **Sprung clip grip supplied as standard with 5 N load cell (use with lower HT55 grip or additional sprung clip grip)**
- **Puncture/burst attachment for tissue and light paper**
- **Printer**
- **PC**
- **QMAT Pro or Test Navigator test software**
- **Tensile, tear and burst test routines**

The final system configuration will depend on the:-

- **Specific Material to be tested**
- **Test specimen dimensions and characteristics**
- **Type of test required**
- **Results required**
- **Maximum force**
- **Relevant test standards**



Also.....puncture test