TAN Textile Architecture Network SERVICES

unitarian cost in € (vat excluded)

Personel cost /day (8 am- 6 pm)

Researcher €/day	400
Technician €/day	300
Professor €/day	650

Research activities performed by TAN as members of TEXTILES HUB - interdepartmental Reseach Laboratory of Textiles and Polymers

A- Optical performances' similuation and measurement *(TAN with Energy Department)*

B. Acoustic measurements (TAN with Energy Department)

C. Structural Design Optimization and simulation *(TAN with Civil Engineering Department)*

D. Mechanical Resistance to External loads of Temporary structures, Emergency Shelters and Tents *(TAN with Civil Engineering Dept. and WIND TUNNEL POLIMI LAB)*

for further information: alessandra.zanelli@polimi.it

Services performed by TAN as Reference Members of TEXTILES HUB - accredited body LAT. 1275 - Branch G - by ACCREDIA

E- Biaxial textile tests according to the standard MSAJ/M-02-1995

Biaxial Tensile Tests on typical cross samples (90x90cm, centre 30x30cm), according to MSAJ/M-02-1995, with a typical cyclic load profile, in order to:
- evaluate the compensation value
- investigate the E-modulus
(minimum amount recommended: 3 test)

For each specimen (duration <120 min.)	350
For each specimen (duration >120 min.)	450
ACCREDIA - For each specimen (duration <120 min.)	450
ACCREDIA - For the each specimen (duration >120 min.)	550

Biaxial Tensile test on typical cross specimen (90x90cm, centre 30x30cm), according to MSAJ/M-02-1995, with a typical cyclic load profile, in conditioned chamber (possible range of -40/+180°C), in order to:
- simulate the mechanical stress in specific climatic environment
- simulate the aging effects under stress
(minimum amount recommended: 3 test)

For each specimen (duration <120 min.)	450
For each specimen (duration >120 min.)	550
ACCREDIA - For each specimen (duration <120 min.)	550
ACCREDIA - For the each specimen (duration >120 min.)	650

- equipment preparation (for each test campaign) 300

The prices are for biaxial tests with a load hystory provided by the client, forming a tender document; and are for tests with LVDT for the elongation misure
If the load hystory is provided by the laboratory, the price for the preparation of the load hystory is 60

For biaxial tests in conditioned chamber, the price for the preparation of testing room is (needed for each testing campaign) (half day of a researcher is needed for setting-up the equipments) 300

Biaxial Tear Tests (dimensions to be defined with the client)

For each specimen	370
For the next specimens	250

Specimen Strain optical acquisition by DIC system (Digital Image Correlation) (an alternative to using linear transducers) 300

F - Uniaxial textile tests according to the standards: EN ISO 1421:2016 UNI EN ISO 13934-1:2013 ISO 527-1:2012 ISO 527-3:1995

Uniaxial Tensile and Tear Testing of the specimen, rectangular shape 5x20cm, to performe Breaking strenghts
(minimum amount recommended: 5 tests)

For each specimen	70
ACCREDIA - For each specimen	80

Uniaxial Tensile Testing in conditioned chamber (possible range -40/+180°C) on a typical specimen, rectangular shape 5x20cm, to performe Breaking strenghts
(minimum amount recommended: 5 tests)

For the first 3 specimens	90
For the next specimens	68

Uniaxial Tensile Testing of the specimen, rectangular shape 90x30cm (out of standard size) to performe the Breaking strenght
(minimum amount recommended: 5 tests)

For the first 3 specimens	100
For the next specimens	75

Uniaxial Tensile Testing in conditioned chamber (possible range of -40/+180°C) on a specimen 90x30cm (out of standard size) to performe the Breaking strenght
(minimum amount recommended: 5 tests)

For the first 3 specimens	120
For the next specimens	90

G-TEST REPORT (mandatory for each test campaign)

Test Report with description of the tests with picture documentation and outputs 300

ACCREDIA Test Report with description of the tests with picture documentation and outputs 450

Test certification with elaboration and interpretation of the output results 500

Prices for non standard and customized specific tests (in terms of dimension, time for preparing and performing tests) have to be quantified specifically considering the boundaries terms.

for further information: carol.monticelli@polimi.it