

Elastocon®

Testing with precision

Elastocon AB

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Our calibration lab is
accredited by Swedac



Contract Laboratory Testing Services

Do you know that Elastocon performs polymer testing for our customers?

Testing of stress relaxation, estimation of lifetime, low temperature properties and compression set, hardness, tensile and tear are some examples of the tests we can help you with.

The picture to the right shows Ann-Cathrine Magnå, our Laboratory Manager, who has 20 years of experience in polymer testing from SP Technical Research Institute of Sweden (RISE).

Contact Ann-Cathrine by email:
ann-cathrine.magna@elastocon.se



Accelerated weathering and light stability tests of products and materials

Elastocon offers accelerated weathering and light stability tests of products and materials on a smaller scale in our own laboratory.

This testing is done in two types of test equipment from Q-Lab:

- QUV Accelerated Weathering Tester with UV light and moisture.
- Q-SUN Xe-1 xenon arc chamber which reproduces the damage caused by full-spectrum sunlight.

For customers within the Nordic countries, who wants testing of products and materials on a larger scale, we can also pass on requests to Q-Lab's testing laboratory in Germany and outdoor exposure testing at Q-Lab's desert and subtropical climate facilities in Arizona and Florida.



For more information or quotes regarding weathering and light stability tests, please contact Pertti Steenari:
pertti.steenari@elastocon.se



Pertti Steenari with the QUV Accelerated Weathering Tester, to the left, and the Q-SUN Xe-1 xenon arc chamber in Elastocon's testing laboratory.

Material selection – specifications

We can assist you with a material specification for the material in your products and make ongoing tests of your delivered products. This can be very important for your product quality, especially if you use a supplier far away from you.

Education

Need customized training regarding testing and calibration, either with us or at your site? Please contact us for more information.



Examples of test methods

Test methods for rubber

ISO 34-1	A and C	Determination of tear strength
ISO 36		Determination of adhesion to textile fabrics
ISO 37		Determination of tensile stress-strain properties
ISO 48	N and M	Determination of hardness, IRHD
ISO 188	A	Accelerated ageing and heat resistance tests
ISO 815-1	A and B	Determination of compression set at ambient or elevated temperatures
ISO 815-2	A and B	Determination of compression set at low temperatures, LTCS
ISO 1407		Determination of solvent extract
ISO 1408		Determination of carbon black content – pyrolytic and chemical degradation methods
ISO 1432		Determination of low temperature stiffening, Gehman test
ISO 1817		Determination of the effect of liquids
ISO 2285	A and B	Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load
ISO 2781		Determination of density
ISO 2921		Determination of low temperature retraction, TR-test
ISO 3384-1	A and B	Determination of stress relaxation in compression, testing at constant temperature
ISO 4665		Resistance to weathering
ISO 6914	A	Determination of ageing characteristics by measurement of stress relaxation in tension

ISO 7619-1	A, D and AM	Determination of indentation hardness, Shore
ISO 7743		Determination of compression stress-strain properties
ISO 8013		Determination of creep in compression or shear
ISO 11346		Estimation of lifetime and maximum temperature of use

Test methods for plastic

ISO 175		Determination of the effects of immersion in liquid chemicals
ISO 527		Determination of tensile properties
ISO 868	A and D	Determination of indentation hardness by means of a durometer (Shore hardness)
ISO 899		Determination of creep behavior – tensile creep
ISO 1183-1	A	Determination of the density of non-cellular plastics
ISO 4892-2		Methods of exposure to laboratory light sources – xenon-arc lamps
ISO 4892-3		Methods of exposure to laboratory light sources – Fluorescent UV lamps

Other test methods

ASTM D 2244		Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
Various standards		Gloss measurement
ISO 6452		Determination of fogging characteristics of trim materials in the interior of automobiles

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