

TENSILE TEST TRAINING – RUBBER



- **Format:** Online self-learning module
- **Duration:** 2 hours
- **Target group:** Researchers
- **Level:** EQF 5 - 7
- **Provider:** University of Twente
- **Language:** English
- **Certificate:** Digital badge
- **Costs:** Free

Understanding how rubber behaves under stress is essential for developing materials that perform reliably in real-world applications, from tires to seals and gaskets. Tensile testing is one of the most fundamental ways to characterize this behavior.

In this training module, you will learn how to evaluate key mechanical properties of rubber compounds, including tensile strength, elongation at break, and modulus. You will discover how a dumbbell-shaped specimen is prepared and tested using a universal testing machine, and how to read a stress-strain curve to understand a material's stiffness, strength, and flexibility.

You will also be guided through the practical steps of sample preparation, mounting, and testing, along with common errors and how to avoid them – giving you a clear, hands-on understanding of how to generate and interpret reliable tensile test results.

SCAN TO
START THE
FREE MODULE



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