



1 - Test Details & Procedures

Equipment

Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Rows include Manufacturer / Model (Lloyd LR / 10K Plus Materials Tester), Software (Nexygen Plus V2.1), Load Cell (kN), and Compression Platen - Ø (mm).

Auxiliary Steel Disks

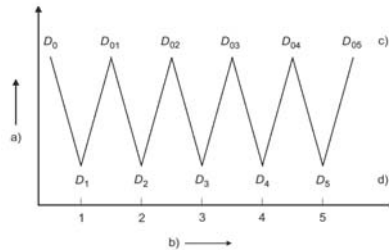
Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Rows include Width - E (mm) and Diameter - Ø (mm).

Sample Dimensions

Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Row includes Diameter - Ø (mm).

Compression Cyclic Test

Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Rows include Head Speed (mm/min), Zero Point Pressure (kPa), Test Pressure (kPa), Test Load (N), and Number of Cycles.



Auxiliary Data

Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Rows include Thickness @ 60 kPa, 393 kPa, 560 kPa, 1060 kPa, and 2060 kPa.

NOTE: Test Parameters, such as Extension, Load, Stress, Time, ... borrow the notation used for Test Markers D0;...D5. Thus Test Markers D0;...D5 appear associated to the respective Parameter Unit: mm; µm; N; s;...

Test Results

Table with 4 columns: Parameter, Indentation, Deflection 2k, Deflection k. Rows include Indentation/Deflection 1st and 5th Cycle, Compressive Loss, Gauge Loss, Gauge Uncertainty, Hysteresis Energy, Elastic Energy, Tg δ, and Test Time.

(*) - Gauge variation due to hysteresis reaction & stress history. The term uncertainty highlights the dependency of gauge on the stress history.

(**) - The Auxiliary Disk is used to reduce platen parallelism error.

(***) - For the sake of easier comparison with Indentation, Deflection k results were scaled down to 100 sq. mm sample area.

Test Graphs

Standard Graph Windows are used whenever advisable to facilitate the comparative study of different Blanket Models and for the sake of result presentation consistence:

Table with 4 columns: Load = f (Time) Window, Indentation, Deflection 2k, Deflection k. Rows include Load = f (Time) Window, Load = f (Extension) Window, and Extension = f (Time) Window.

Please refer to document: Web_Library\TestGlossary_&_Procedures\ColourCode.pdf for further comparative graph data information.