

Common Parameters

<b>Entry #</b>	Number of the Test Data Base row that contains the respective data.
<b>Item #</b>	Alphanumeric code with one letter and two or three digits, where the letter represents the Brand and the digits are the Sample Number.
<b>Brand / Model</b>	Encoded Brand and Model; Brand is represented by a letter followed by a roman number which represents the Model.
<b>Sample # / Batch # (Job #)</b>	Sample Number used at Iberográfica and supplier's Batch identification.

Elongation & Tensile

*L0; ... LM*      *Extension, Load and Time data borrow designation from respective Test Markers.*

**Procedure (a)**

<b>L0</b>	Sample Effective Length (mm) @ 10 N (Pre-Load).
<b>L1</b>	Sample Effective Length (mm) as 500 N Load is reached.
<b>L</b>	Sample Effective Length (mm) after 10 min @ 500 N load.
<b>LM</b>	Sample Effective Length (mm) @ rupture.
<b>L-L0 - Mounting</b>	Sample Length Increase (mm) after Elongation Test*.
<b>E% - Mounting</b>	Sample Length Increase (%) after Elongation Test*.
<b>L-L1 - Yield</b>	Sample Length Increase (mm) due to the constant load of 500 N being applied for 10 min.
<b>E1% - Yield</b>	Sample Length Increase (‰) due to the constant load of 500 N being applied for 10 min.
<b>(a)Young's Modulus</b>	Young's Modulus (MPa) resulting from Procedure (a).
<b>LM-L0 - Tensile</b>	Sample Length Increase (mm) - Full Test.
<b>EM% - Tensile</b>	Sample Length Increase (%) - Full Test.
<b>(a)Tensile Strength</b>	Maximum Load per sample unit width (N/mm), following Procedure (a).
<b>TT</b>	Test Time interval (s), from L0 to LM.

**Procedure (b)**

<b>(b)Young's Modulus</b>	Young's Modulus (MPa) resulting from Procedure (b).
<b>(b)Tensile Strength</b>	Maximum Load per sample unit width (N/mm), following Procedure (b).

Compression**Deflection 2k**

*D0; ... D5*      *Extension, Work and Time data borrow designation from respective Test Markers.*

<b>D0</b>	Sample Thickness (mm) measured @ 60 kPa (Pre-Load).
<b>D01</b>	Sample Thickness (mm) after 1 <sup>st</sup> cycle @ 60 kPa.
<b>D04</b>	Sample Thickness (mm) after 4 <sup>th</sup> cycle @ 60 kPa.
<b>Dd4k/2</b>	Sample Thickness (mm) @ 560 kPa - 4 <sup>th</sup> decompression.
<b>Dc5k/2</b>	Sample Thickness (mm) @ 560 kPa - 5 <sup>th</sup> compression.
<b>D1k</b>	Sample Thickness (mm) @ 1060 kPa - 1 <sup>st</sup> compression.
<b>D4k</b>	Sample Thickness (mm) @ 1060 kPa - 4 <sup>th</sup> decompression.
<b>D5k</b>	Sample Thickness (mm) @ 1060 kPa - 5 <sup>th</sup> compression.
<b>D1</b>	Sample Thickness (mm) @ 2060 kPa - 1 <sup>st</sup> cycle maximum load.
<b>D4</b>	Sample Thickness (mm) @ 2060 kPa - 4 <sup>th</sup> cycle maximum load.
<b>D5</b>	Sample Thickness (mm) @ 2060 kPa - 5 <sup>th</sup> cycle maximum load.
<b>Df1</b>	Deflection (µm) after 1 <sup>st</sup> compression.
<b>Df5</b>	Deflection (µm) after 5 <sup>th</sup> compression.
<b>Dfp1</b>	Deflection (%) after 1 <sup>st</sup> compression.
<b>Dfp5</b>	Deflection (%) after 5 <sup>th</sup> compression.
<b>Comp. Loss</b>	Compressive Loss (%) from the 1 <sup>st</sup> to the 5 <sup>th</sup> cycle.
<b>Gauge Loss@1<sup>st</sup> Cycle</b>	Gauge Loss (µm) @ 60 kPa after 1 <sup>st</sup> cycle.
<b>Gauge Loss@1<sup>st</sup> Cycle (1<sup>st</sup>%)</b>	Gauge Loss (%) @ 60 kPa after 1 <sup>st</sup> cycle, measured as a percentage of full test gauge loss.
<b>Gauge Loss@60 kPa</b>	Gauge Loss (µm) @ 60 kPa - Full test.
<b>Gauge Loss@1060 kPa</b>	Gauge Loss (µm) @ 1060 kPa - Full test.
<b>Gauge Loss@2060 kPa</b>	Gauge Loss (µm) @ 2060 kPa - Full test.
<b>Wk/2</b>	Gauge Uncertainty** (µm) @ 560 kPa due to Hysteresis - last cycle.
<b>Wk</b>	Gauge Uncertainty** (µm) @ 1060 kPa due to Hysteresis - last cycle.
<b>HE</b>	Hysteresis Energy (Nmm) @ 5 <sup>th</sup> cycle.
<b>EE</b>	Elastic Energy (Nmm) @ 5 <sup>th</sup> cycle.
<b>DC</b>	Damping Capacity (%) @ 5 <sup>th</sup> cycle.
<b>TT</b>	Test Time interval (s) - D0 to D5.

\* Refer to document [Elongation & Tensile Procedure](#) - Procedure (a).

\*\* Gauge Uncertainty or Gauge Variation due to hysteresis reaction & stress history.  
The term uncertainty highlights the dependency of gauge on the stress history.

**Deflection k***d0; ... d5**Extension, Work and Time data borrow designation from respective Test Markers.***d0**

Sample Thickness (mm) measured @ 60 kPa (Pre-Load).

**d01**Sample Thickness (mm) after 1<sup>st</sup> cycle, @ 60 kPa.**d04**Sample Thickness (mm) after 4<sup>th</sup> cycle, @ 60 kPa.**dd4k/3**Sample Thickness (mm) @ 393 kPa - 4<sup>th</sup> cycle decompression.**dc5k/3**Sample Thickness (mm) @ 393 kPa - 5<sup>th</sup> cycle compression.**d1**Sample Thickness (mm) @ 1060 kPa - 1<sup>st</sup> cycle maximum load.**d4**Sample Thickness (mm) @ 1060 kPa - 4<sup>th</sup> cycle maximum load.**d5**Sample Thickness (mm) @ 1060 kPa - 5<sup>th</sup> cycle maximum load.**df1**Deflection (µm) after 1<sup>st</sup> compression.**df5**Deflection (µm) after 5<sup>th</sup> compression.**dfp1**Deflection (%) after 1<sup>st</sup> compression.**dfp5**Deflection (%) after 5<sup>th</sup> compression.**Comp. Loss**Compressive Loss (%) from the 1<sup>st</sup> to the 5<sup>th</sup> cycle.**Gauge Loss@1<sup>st</sup> Cycle**Gauge Loss (µm) @ 60 kPa after 1<sup>st</sup> cycle.**Gauge Loss@1<sup>st</sup> Cycle (1<sup>st</sup>%)**Gauge Loss (%) @ 60 kPa after 1<sup>st</sup> cycle, measured as a percentage of full test gauge loss.**Gauge Loss@60 kPa**

Gauge Loss (µm) @ 60 kPa - Full test.

**Gauge Loss@1060 kPa**

Gauge Loss (µm) @ 1060 kPa - Full test.

**Wk/3**

Gauge Uncertainty\*\* (µm) @ 393 kPa due to Hysteresis - last cycle.

**HE**Hysteresis Energy (Nmm) @ 5<sup>th</sup> cycle.**EE**Elastic Energy (Nmm) @ 5<sup>th</sup> cycle.**DC**Damping Capacity (%) @ 5<sup>th</sup> cycle.**TT**

Test Time interval (s) - D0 to D5.

**Indentation***D0; ... D5**Extension, Work and Time data borrow designation from respective Test Markers.***D0**

Sample Thickness (mm) measured @ 60 kPa (Pre-Load).

**D01**Sample Thickness (mm) after 1<sup>st</sup> cycle, @ 60 kPa.**D04**Sample Thickness (mm) after 4<sup>th</sup> cycle, @ 60 kPa.**Dd4k/3**Sample Thickness (mm) @ 393 kPa - 4<sup>th</sup> decompression.**Dc5k/3**Sample Thickness (mm) @ 393 kPa - 5<sup>th</sup> compression.**D1**Sample Thickness (mm) @ 1<sup>st</sup> cycle's maximum load.**D4**Sample Thickness (mm) @ 4<sup>th</sup> cycle's maximum load.**D5**Sample Thickness (mm) @ 5<sup>th</sup> cycle's maximum load.**If1**Indentation (µm) after 1<sup>st</sup> compression.**If5**Indentation (µm) after 5<sup>th</sup> compression.**Ifp1**Indentation (%) after 1<sup>st</sup> compression.**Ifp5**Indentation (%) after 5<sup>th</sup> compression.**Comp. Loss**Compressive Loss (%) from the 1<sup>st</sup> to the 5<sup>th</sup> cycle.**Gauge Loss@1<sup>st</sup> Cycle**Gauge Loss (µm) @ 60 kPa after 1<sup>st</sup> cycle.**Gauge Loss@1<sup>st</sup> Cycle (1<sup>st</sup>%)**Gauge Loss (%) @ 60 kPa after 1<sup>st</sup> cycle, measured as a percentage of full test gauge loss.**Gauge Loss@60 kPa**

Gauge Loss (µm) @ 60 kPa - Full test.

**Gauge Loss@1060 kPa**

Gauge Loss (µm) @ 1060 kPa - Full test.

**Hysteresis Wk/3**

Gauge Uncertainty\*\* (µm) @ 393 kPa due to Hysteresis - last cycle.

**HE**Hysteresis Energy (Nmm) @ 5<sup>th</sup> cycle.**EE**Elastic Energy (Nmm) @ 5<sup>th</sup> cycle.**DC**Damping Capacity (%) @ 5<sup>th</sup> cycle.**TT**

Test Time interval (s) - D0 to D5.

**Whip Reaction***D0; ... D05**Extension, Work and Time data borrow designation from respective Test Markers.**D0; D04; D5; If5; Ifp5;**These parameters are defined above - Indentation Test.**Gauge Loss@60 kPa; EE**These parameters are defined above - Indentation Test.***D05**Sample Thickness (mm) after 5<sup>th</sup> cycle, @ 60 kPa.**WE**Whip Energy (Nmm) measured @ 5<sup>th</sup> cycle (compression followed by decompression).**WT**

Whip Time interval (s) - D4W to D5W.

**HT\***

Hysteresis Time interval (s) - D04 to D05.

\* Relative to 5<sup>th</sup> full compression cycle, *not in accordance with ISO 12636.*

\*\* Gauge Uncertainty or Gauge Variation due to hysteresis reaction &amp; stress history.

The term uncertainty highlights the dependency of gauge on the stress history.