

## KASON-RCD Rubber compression permanent deformer



### Product Description

Rubber compression permanent deformer is composed of parallel steel plate limiter and fastener, in line with GB7759, ISO815 requirements, used for vulcanized rubber, thermoplastic rubber at room temperature, high temperature and low temperature conditions, with a certain compression rate, after a certain compression time after the determination of rubber deformation.

### First, the working principle

#### 1. Room temperature and high temperature test

At the standard laboratory temperature, the sample of known height is compressed to the specified height according to the compression ratio requirement. Under the specified temperature condition, the sample is compressed for a period of time, and then the compression is removed under the standard temperature condition. The sample is in the free state, and the specified time is returned to measure the height of the sample.

#### 2. Low temperature test

At the standard test temperature, the sample of known height is compressed to the specified height according to the compression ratio, and compressed for a period of time at the specified low temperature test temperature. Then, the compression is removed at the same low temperature, and the sample is recovered in the free state. The height of the sample is measured at intervals at low temperature, and a logarithmic curve of the sample height and time is obtained. The compressive permanent deformation characteristics of the sample are evaluated.

**Applicable Standard:** 1.ASTM-D395 2.GB/T 7759 3.ISO815

### Technical Parameter

Sample	Type A	Type B
Diameter	29±0.5mm	13±0.5mm

<b>Height</b>	12.5±0.5mm	6.3±0.5mm
<b>Height Limiter Type</b>	Type A (9.12mm, 9.38mm, 9.62mm)	Type B (4.56mm, 4.67mm, 4.78mm, 4.89mm)
<b>Compression Ratio 25 %</b>	9.3 ~ 9.4	4.7 ~ 4.8
<b>Compression Ratio 15 %</b>	10.6 ~ 10.7	5.3 ~ 5.4
<b>Compression Ratio 10 %</b>	11.25 ~ 11.3	5.65 ~ 5.7
<b>Overall Dimension</b>	200 × 120 × 140 mm or Φ:115mm H: 110mm	
<b>Weight</b>	11Kg	

# FOCUS IN MATERIAL TEST

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