

Compression Set Apparatus

Compression set at constant strain is defined as difference between the original thickness of the test piece and that after recovery, expressed as percentage of the initially applied compression.

It measures the ability of vulcanized rubber to retain their elastic properties after prolong compression at constant strain. It is determined by subjecting a test piece in shape of a cylindrical disc to a constant strain for a given time at the specified temperature and then it is allowed to recover for a given time.



Technical data

No. of specimen tested	3
At a time	
Size of stainless steel plates	45 x 10 x 130 mm
Size of spacers	30mm diameter x 9.40mm

Related specifications

IS 3400 – Part 10 – 1977 : Methods of test for vulcanised rubber part 10: Compression set at constant strain.



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