

This method describes the temperature retraction procedure for rapid assessment of crystallization effects. In addition, it serves to compare the properties of the viscoelastic rubber materials at low temperatures and gummy. This method is very useful to make a selection of materials suitable for low-temperature service.

A small sample of boned dog is subjected to stretching at a low temperature, and then allowed to retract freely while raising the temperature at a uniform rate and measuring the retraction.

Standard specimens have gage lengths of 1", 1.5", or 2"

Source of Additional Information:

- ASTM Standard D 1329-02 (2002), "Standard Test Method for Evaluating Rubber Property - Retraction at Lower Temperatures (TR Test)," American Society for Testing and Materials, West Conshohocken, Pennsylvania (originally published in 1954).