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| **STANDARD OPERATING PROCEDURE**  COEFFICEINT OF FRICTION |

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## Purpose

This test is designed to produce frictional data for the control and specification of plastic materials. These data are also useful for qualitative characterization and for research and development.

## Scope

This test method covers determination of the coefficients of starting and sliding friction of plastic film and sheeting when sliding over it or other substances at specified conditions.

## Responsibilities

Trainee Engineer- REC

## Procedure

1. Power on, sensor rest in the start position, then press “system zero” key to adjust glide friction modulus and rest friction modulus to 0.00.
2. Clamp the sample with the nip ware, the side should be on the above and encase the glide block with the sample, the side should on the outside. Clip the two samples, cover the glide block in the hand up hole of the sensor, and make the two sample surface touching. Sensor and glide block should aim at middle in level, rest for 15 sec.
3. After ready press “instrument’ switch the corresponding indicator light turn on, sensor moving with the glide block and auto stop when achieve the termination.
4. The sensor will auto stop when experiment finished, the glide Friction Modulus will auto display on the window, record it.
5. Take down the glide block, press “glide, rest turn to zero” key, the glide and rest window data will auto turn to zero. Press “reset” key, sensor will auto return to the start position.

Note: Do not press the sensor with hand or anything else.

## Associated Documents and Records

Manual and Standards

**AMENDMENT HISTORY**

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| **REV. #** | **DCR#** | **SECTION** | **AMENDED TEXT** |
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\* All changes made in the document are notified in the Amendment History Table.