ADHESIVE WEAR TEST METHODS

Sliding wear – uni-directional motion, pin-on-disc, ASTM G99

ASTM G99
Load: 10 N
Speed: 0.1 m/s
Ball dia.: 10 mm
Pin dia: 4-10 mm
Test durations: 10,000 s

Measurements:
Volume of wear (calculated from mass loss)
Friction force
Wear displacement
Examination of worn surface
ADHESIVE WEAR TEST METHODS

ASTM G133
- Load: 25 N
- Frequency: 5 Hz
- Stroke: 10 mm
- Pin with 4.76mm radius end
- Test durations: 40 s – 16 min

Measurements:
- Volume of wear
  (profilometry/calculated from mass loss or calculated from size of wear scar)
- Friction force
- Wear displacement
- Examination of worn surface