



**Purpose:** To ensure that the hardness of any material added to the coverstock of a bowling ball is less than 6.0 on the Mohs' hardness scale.

**Materials:**

- Bowling ball to be tested
- Ball spinner
- Standard glass sample that was manufactured by an authorized USBC independent contractor having the radius of a bowling ball

**Procedure:**

1. Place the bowling ball into the ball cup on the ball spinner.
2. Put on the safety gloves.
3. Hold the standard glass sample in a gloved hand on the surface of the bowling ball orientated so the glass sample lays flush along the curvature of the ball.
4. Energize ball spinner and allow it to run it for 5 seconds.
5. De-energize the ball spinner.
6. Visually inspect the side of the standard glass sample that was touching the bowling ball for scratches.
7. If there are any scratches on the glass, a component of the coverstock or something on the surface of the bowling ball has a Mohs' hardness greater than 6.0. Document failure of the Mohs' hardness test.
8. If there are no scratches on the glass examined, document passing of the Mohs' hardness test.