

## ISS Quality Assurance Validation & Testing Standards

ISS is committed to providing the best vinyl labeling supplies available. We source the highest quality materials from top chemical manufacturing facilities around the globe, combining the best research and engineering to produce a product that will perform to exceed customer expectations. To maintain this level of quality, we focus on:

- Pre-development engineering
- Manufacturing process controls and QC
- Post-manufacturing testing and validation
- Independent and standards based testing
- Post-consumer in-house validation & testing

### Pre-production & In-house Testing

| Test Description      | Test Standard             |
|-----------------------|---------------------------|
| Caliper               | ISO 534, ISO 11833-2:1998 |
| Caliper w/adhesive    | ISO 534, ISO 11833-2:1998 |
| Gloss                 | ISO 2813                  |
| Dimensional Stability | DIN 38464, 30646          |
| Elongation            | DIN 53455, ISO EN 527     |
| Tensile Strength      | DIN 53455, ISO EN 527     |
| Adhesion              | ASTM 1000                 |
| Reflectivity          | ASTMD 4956-99             |
| Retro-Reflectivity    | ASTM E810                 |
| Flammability          | ASTM E84-04               |

| Test Description     | Notes                  |
|----------------------|------------------------|
| Shelf Life           | QCV IH and at manf.    |
| Operating Temp       | QCV at manf. and dist. |
| Chemical Resistance  | Eng., manf., and IH    |
| Petroleum Resistance | Eng., manf., and IH    |
| Durability           | QVC at manf. and IH    |
| Humidity             | QVC at eng. and manf   |
| Corrosion            | QVC at manf. and IH    |
| Water                | QVC at manf. and IH    |
| Solvent              | Eng., manf., and IH    |
| Abrasion             | Eng., manf., and IH    |



ISS materials are tested for label life under intense UV exposure



Humidity testing helps determine label adhesion in humid environments



On-site lifespan tracking helps determine real-world results

ISS also offers specific independent tests per customer request, before purchase, to ensure our product will meet customers need for specific applications. Please contact us for more information concerning your particular application.

## CALL 877-762-9280 FOR MORE INFORMATION AND SAMPLES