

Test Name	Details	Procedure	Required Tools	Difficulty Level	Importance Level
Visual Inspection	Examine the stretch film by holding it close to a light source. Check for consistent color, transparency, and surface defects. Observe for inconsistent color tones, bubbles, or cracks.	1. Hold the stretch film up to a light source 2. Observe and note the color consistency, transparency, and any visible defects like bubbles or cracks.	Light source	Easy	High
Flexibility Test	Hold a piece of stretch film with both hands. Gently stretch the film to evaluate its flexibility. A high-quality film should quickly return to its original shape after stretching.	1. Hold a piece of the stretch film with both hands 2. Gently stretch the film and hold for 10 seconds. 3. Release and observe the film's return to its original shape.	Hands	Medium	High
Adhesion Test	Adhere stretch film samples to different surfaces (e.g., glass, metal, or plastic) to evaluate its adhesion. Observe if the film adheres well to the surface and how easily it detaches from the surface.	1. Cut small samples of the stretch film 2. Adhere each sample to various surfaces for 1 minute 3. Test the detachment ease and note the adhesion quality.	Different surfaces	Medium	High
Thickness Evaluation	While inspecting the stretch film visually, observe its thickness. If the film appears thin and delicate, it may indicate a low-quality film.	1. Lay the stretch film on a flat surface 2. Use a ruler or caliper to measure the thickness at different points 3. Compare the measurements to determine the film's thickness consistency.	Ruler or caliper	Easy	Medium
Tear Resistance Test	Tear stretch film samples by hand to evaluate its tear resistance. A high-quality stretch film should be more resistant to tearing.	1. Hold a stretch film sample at both ends 2. Attempt to tear the sample by hand with controlled force 3. Note the resistance and ease of tearing.	Hands	Easy	High

Difficulty Level:

- **Easy:** Simple tests that do not require any special equipment or expertise.
- **Medium:** Tests that require some experience or basic knowledge.

- **Hard:** Tests that require special equipment or in-depth knowledge.

Importance Level:

- **Low:** Basic tests used for general quality assessment.
- **Medium:** Important tests in quality control but not the primary focus.
- **High:** Tests directly affecting product quality and crucial in quality control.

This enhanced checklist provides detailed procedures for manually evaluating the quality of stretch film, along with the required tools, difficulty, and importance levels for each test. However, the results of such manual tests can be subjective, and for accurate quality analysis, it is recommended to use professional testing equipment.