

Technical Requirements for  
**CARBON FILM, LEGAL SIZE**

**PRODUCT SPECIFICATIONS**

- Material: Polyethylene Film
- Color: Black
- Size ( $\pm 2\text{mm}$ ): 216mm x 330mm
- Brand shall be printed on the item
- Shall pass the required performance tests

**EVIDENCE AND VERIFICATION**

- **Documentary Evidence to be submitted during Post-qualification:**
  - Valid test report from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center.
    - Valid test report showing compliance:
      - Material: Polyethylene Film
- **A Confirmatory Test during delivery** from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center.
  - Valid test report showing compliance:
    - Material: Polyethylene Film
- **In-House Test:**
  - Color: Black
  - Determine the dimension using steel ruler:
    - Size ( $\pm 2\text{mm}$ ): 216mm x 330mm
  - Brand shall be printed on the item
  - Shall conform with the required performance tests:
    - Serviceability or Wear Down Test: using Electronic Typewriter (Refer to Annex "B")
      - Clarity of impressions made shall not be less than 25 lines
    - Manifold Test: using Electronic Typewriter (Refer to Annex "B")
      - Shall be able to produce at one time at least eight (8) carbon copies that are legible
    - Lay flat, no curl



- No trace or smudge of carbon on duplicate copies
- One (1) box of 100 sheets of carbon film with marking/labeling shall be provided by the bidder during the submission of additional post-qualification documents for verification of the product specifications. (Onion skin paper to be used for testing shall be provided by the bidder).

## PACKAGING

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- One hundred (100) sheets per box  
Fifty (50) boxes per carton
- Additional Requirement on Packaging, refer to the attached Annex "A"

## MARKING/LABELING

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- Shall conform with the minimum Marking and Labeling Requirements under Article 77 of Republic Act 7394 (Consumer Act of the Philippines) whichever is/are applicable among those requirements to this item.

## REFERENCES

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- *None*



**Performance test (Carbon film):**

- **Serviceability or Wear Down Test: using Electronic Typewriter**

- Clarity of impressions made shall not be less than 25 lines

## Procedure:

1. This test shall be done using an Electronic Typewriter;
2. Test Strip:
  - a. Cut a 20mmx160mm of carbon film strip size
  - b. Cut a 40mm by 210mm of 70gsm Multipurpose paper strip size.
  - c. Place the plastic side of the carbon film on top of the multipurpose, and secure both sides using masking tape.
3. Insert the test strip together with the Onion Skin Paper into the Electronic Typewriter. Securely place the test strip using masking tape on the Platen, so that the test strip will not move while the Onion Skin paper is being slid/pulled up;
4. The letter C shall be typed across the space, creating a line where the carbon film is fastened; the Onion Skin Paper shall be pulled up; and the letter G shall be typed on the test strip over the letter C creating a line. The process shall repeat until an alternate of letters C and G is typed, creating Twenty-Five (25) lines. The carbon film shall not make fewer than the required number of carbon copies that are clean, legible, and of good intensity;

- **Manifold Test: using Electronic Typewriter**

- Shall be able to produce at one time at least eight (8) carbon copies that are legible.

## Procedure:

1. This test shall be done using an Electronic Typewriter;
2. The first sheet is the 70 gsm Multipurpose paper, and 8 sheet of onion skin paper as a copy sheets, shall be used in making the test;
3. The test sheet is composed of a carbon film placed in between the first sheet and the 8 copy sheets.
4. Insert the test into the electronic typewriter, and type the sentence "The quick brown fox jumps over a lazy dog.";
5. Check the copy sheets if the letters/words are legible up to the eighth 8<sup>th</sup> copy sheet. No traces or smudges shall be visible on the copy sheets.

