



# Daroupat Shargh

## Industrial Packaging Co.

### CERTIFICATE OF ANALYSIS

|                |                                |
|----------------|--------------------------------|
| <b>Product</b> | PVC/PE/PVDC 250mic/50mic/90gsm |
|----------------|--------------------------------|

#### Laboratory Analysis Report

| Particulars                              | Unit              | Specification                          | Results        | Method      |
|--|-------------------|--|----------------|-------------|
| <b>Total Thickness</b>                   | µm                | 345 ± 5%                               | 345            | DIN 53370   |
| <b>GSM of PVDC (Dry)</b>                 | gr/m <sup>2</sup> | 90 ± 5%                                | 91             | BASF        |
| <b>Total GSM</b>                         | gr/m <sup>2</sup> | 470 ± 5%                               | 483            | DIN 53352   |
| <b>Dimensional Stability (Shrinkage)</b> | %                 | LD -5 max<br>TD +2 max                 | LD -3<br>TD +1 | ASTM D-955  |
| <b>Tensile Strength</b>                  | Mpa               | 54 ± 5%                                | 52             | ASTM D-638  |
| <b>Elongation</b>                        | %                 | 250 ± 5%                               | 250            | ASTM D-638  |
| <b>Softening Point</b>                   | °c                | 90 ± 2                                 | 90.3           | ASTM D-1525 |
| <b>WVTR at 38°C &amp; 90% RH</b>         | gr/m <sup>3</sup> | ≤0.5                                   | 0.3            | E96/E96M    |
| <b>Coating Uniformity</b>                | -                 | Uniformed                              | Passed         | BASF        |
| <b>Scotch Tape Test</b>                  | -                 | Coating should not come out            | Passed         | In House    |
| <b>Blistering Test</b>                   | -                 | Forming Excellent<br>Sealing Excellent | Passed         | In House    |

Daoupat Shargh industrial packaging Co.Q.C. Lab