

Product Factory Inspection Report

| Product model          |                                             | MKING35100                                                    |                                     |                                                                                     | Date                                                                              |                                                               | 2026/5/16                  |                                                                      |
|------------------------|---------------------------------------------|---------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------|----------------------------------------------------------------------|
| Material Description   | Surface coating                             | Anti-aging layer UV                                           | PET Base Film                       | Insulation layer material                                                           | PET Base Film                                                                     | Adhesive                                                      | Bottom Protective Film     | Core production process                                              |
|                        | Military-grade SR scratch-resistant coating | Full-spectrum UV-absorbing heat-insulating composite material | Optical-grade transparent substrate | Molecular-level TIN + WO3 hybrid heat insulation material (with 60% curing content) | Optical-grade transparent substrate                                               | High-performance optical acrylate pressure-sensitive adhesive | Optical-grade release film | Molecular magnetic control sputtering + Precise coating dual process |
| Items                  |                                             | Standard                                                      | Devices                             | Unit                                                                                | Standard value                                                                    |                                                               | Test value                 | Result                                                               |
| Structure              | Thickness                                   | GB/T 6672                                                     | Micrometer                          | um                                                                                  | 62±5                                                                              |                                                               | 64                         | √                                                                    |
| Optical Performance    | Visible Light Transmittance                 | GB/T 2680                                                     | LS160                               | %                                                                                   | 30-34                                                                             |                                                               | 32.9                       | √                                                                    |
|                        | UV Rejection Rate                           | GB/T 2680                                                     | LS160                               | %                                                                                   | ≥99                                                                               |                                                               | 99.9                       | √                                                                    |
|                        | IR Rejection Rate                           | GB/T 2680                                                     | LS160                               | %                                                                                   | ≥98                                                                               |                                                               | 100                        | √                                                                    |
|                        | TSER                                        | GB/T 2680                                                     | LS182                               | %                                                                                   | ≥75                                                                               |                                                               | 82                         | √                                                                    |
|                        | Haze                                        | ASTM D 1003                                                   | Haze Meter                          | /                                                                                   | ≤1                                                                                |                                                               | 0.94                       | √                                                                    |
| Mechanical Performance | 20min Initial Peel Strength                 | ISO 527-1:2019                                                | Tensile Tester                      | gf/inch                                                                             | ≥500                                                                              |                                                               | 558                        | √                                                                    |
|                        | 24H Peel Strength                           | ISO 527-1:2019                                                | Tensile Tester                      | gf/inch                                                                             | ≥800                                                                              |                                                               | 1010.2                     | √                                                                    |
| Physical Performance   | Abrasion Resistance                         | ASTM D6037                                                    | Steel Wool Abrasion Tester          | /                                                                                   | 200gf/200times                                                                    |                                                               | Qualified                  | √                                                                    |
| Appearance             | Appearance                                  | QCT 1170                                                      | Inspection Lamp                     | /                                                                                   | Refer to the appearance inspection standard for automotive glass functional films |                                                               | Qualified                  | √                                                                    |

\* All the above result have been tested and verified by SGS.