

## Product Factory Inspection Report

| Product Model         |                             | MAG-S75                                  |                                                    | Date                   |                                                                              | 2026/4/11                         |                          |
|-----------------------|-----------------------------|------------------------------------------|----------------------------------------------------|------------------------|------------------------------------------------------------------------------|-----------------------------------|--------------------------|
| Material Description  |                             | Surface Protective Film                  | Coating Layer                                      | TPU Base Film          |                                                                              | Adhesive                          | Bottom Protective Film   |
|                       |                             | PET protective film                      | Lotus-Effect Superhydrophobic Self-Healing Coating | Aliphatic polyurethane |                                                                              | Pressure Sensitive Adhesive (PSA) | Matte White Release Film |
| Test Item             |                             | Testing Equipment                        | Testing Method                                     | Unit                   | Standard Value                                                               | Test Data                         | Result                   |
| Structure             | Working Layer Thickness     | Micrometer                               | GB/T 6672-2001                                     | um                     | 190±10                                                                       | 192                               | Pass                     |
|                       | Release Film Thickness      | Micrometer                               | GB/T 6672-2001                                     | um                     | 75±3                                                                         | 70                                | Pass                     |
| Mechanical Properties | 20min Initial Peel Strength | Tensile Tester                           | ISO 527-1:2019                                     | gf/inch                | >1200                                                                        | 1783.64                           | Pass                     |
|                       | 24H Peel Strength           | Tensile Tester                           | ISO 527-1:2019                                     | gf/inch                | >1500                                                                        | 2040.52                           | Pass                     |
|                       | Coating Elongation at Break | Tensile Tester                           | ISO 527-1:2019                                     | %                      | ≥90                                                                          | 98                                | Pass                     |
|                       | Elongation at Break         | Tensile Tester                           | ISO 527-1:2019                                     | %                      | ≥150                                                                         | 319                               | Pass                     |
|                       | Transverse Tensile Strength | Tensile Tester                           | ISO 527-1:2019                                     | MPa                    | ≥15                                                                          | 21.88                             | Pass                     |
| Puncture Resistance   | Displacement                | Puncture Tester                          | ISO 527-3:2018                                     | mm                     | ≥10                                                                          | 13                                | Pass                     |
|                       | Maximum Force               | Puncture Tester                          | ISO 527-3:2018                                     | gf                     | ≥1000                                                                        | 1454                              | Pass                     |
|                       | Puncture Strength           | Puncture Tester                          | ISO 527-3:2018                                     | MPa                    | ≥50                                                                          | 74                                | Pass                     |
| Water Contact Angle   | Contact Angle               | Water Contact Angle Tester               | ISO 527-1:2019                                     | °                      | >90                                                                          | 106                               | Pass                     |
| Glossiness            | Glossiness                  | 60° Gloss Meter                          | ISO 527-1:2019                                     | °                      | ≥90                                                                          | 110.1                             | Pass                     |
| Special Properties    | Self-Healing Property       | Brass Brush Rub + Hot Water Healing Test | QC/T 1171-2022                                     | S                      | OK                                                                           | Pass                              | Pass                     |
|                       | Stain Resistance            | Chenguang GM-2110 Oil-Based Marker       | QC/T 1171-2022                                     | /                      | Minor marks or traces                                                        | A                                 | Pass                     |
| Appearance            | Color                       | Standard Sample                          | /                                                  | /                      | transparent                                                                  | transparent                       | Pass                     |
|                       | Surface Appearance          | Visual Inspection                        | QC/T 1171-2022                                     | /                      | Refer to Appearance Inspection Standard for Automotive Paint Protection Film | Pass                              | Pass                     |
| QUV Aging Test        | Accelerated Film Aging Test | UVA-340 Lamp                             | ASTM G154-23 Cycle 1                               | AYI                    | ΔE≤2                                                                         | Pass                              | Pass                     |