

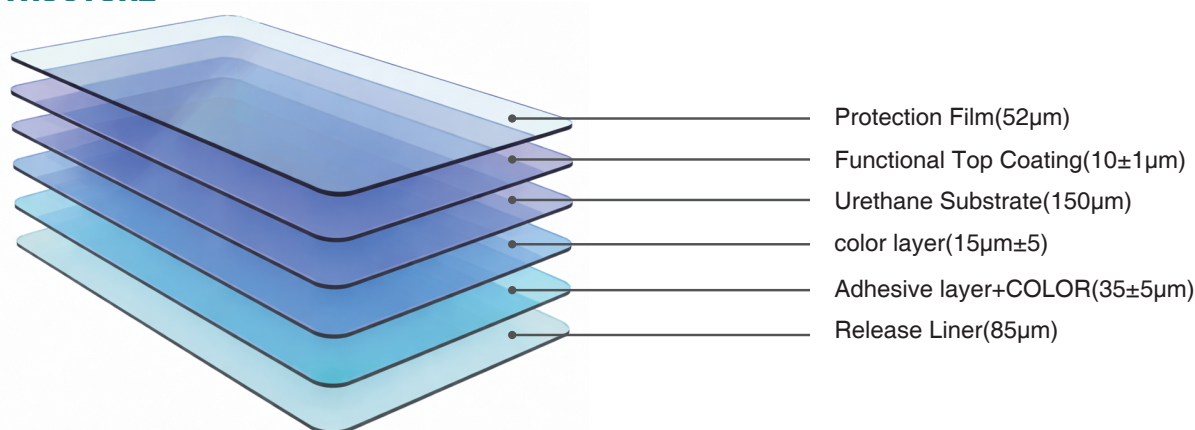
## Technical Data Sheet

### KAION HEADLIGHT UV50

#### PRODUCT DESCRIPTION

KAION HEADLIGHT UV50 Paint Protection Film (PPF) utilizes TPU material from Argotec, USA, offering excellent durability and very low yellowing. It is designed to maintain optical transparency for extended periods, even in harsh outdoor environments. Its high adhesion and flexibility allow for easy application even on areas with sharp curves, while its superior water repellency preserves a like-new gloss. In particular, its thickness of  $210\pm 5\mu\text{m}$  effectively protects the vehicle's paintwork from scratches caused by road debris while driving, and it features a self-healing function that naturally repairs fine scratches on the paint surface. KAION SHIELD'S KAION Series PPF guarantees superior performance and reliability.

#### STRUCTURE



#### PHYSICAL PROPERTIES

| Category                        | Test Method                    | Units      | Typical Properties |
|---------------------------------|--------------------------------|------------|--------------------|
| Gloss value                     | ISO 2813                       |            | >80                |
| Tensile strength                | D-412                          | mpa        | 34.47              |
| Elongation                      | D-412                          | %          | 550                |
| Heat resistance                 | 80°C 2h -20°C 2h 10 cycle test |            | No change          |
| HYDRO-PHILE<br>/PHOBIC PROPERTY | Hydrophile/phobic              | /          | Phobic             |
| Durability                      | TEST 1                         | 3,000hours | NO change          |
|                                 | TEST 1                         | 1,000hours | NO change          |

\* If installing film after recommended shelf-life, re-certification by KAION SHIELD is required.

\* The performance representations and suitability for use described in this Technical Data Sheet are intended as a guide only. Since the specific conditions of product use are known only to the user, it is the user's responsibility to determine whether the product is suitable for its intended application.

\* Results may differ when using other testing standards.

\* Reported values are expected properties and should not be used for product certification.

\* The provided technical information consists of representative product data and should not be used for specification purposes.