



Technical Data Sheet (TDS)

Issued by:

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OEM WINDOW FILM

Product Lineup

Product Code		Visible Light	Ultraviolet	Solar Energy			Shading Coefficient
		Transmittance , %	Transmittance , %	Transmittance, %	Reflectance, %	Absorptance, %	
wi09-001	OEM Window tint film 5HD 25m×1070mm	6	<1	44	6	50	0.69
wi09-002	OEM Window tint film 15HD 25m×1070mm	14	<1	47	6	47	0.72
wi09-003	OEM Window tint film 20HD 25m×1070mm	23	<1	52	6	42	0.76
wi09-004	OEM Window tint film 30HD 25m×1070mm	30	<1	55	6	39	0.78
wi09-005	OEM Window tint film 45HD 25m×1070mm	46	<1	62	6	32	0.83
wi09-006	OEM Mirror reflective film 15HD 25m×1070mm	17	<1	14	56	30	0.26
wi09-007	OEM UV Protection Film 90HD 25m×1070mm	93	<1	83	7	10	0.97
wi09-008	OEM Thermal insulation film 89IR 15m×1070mm	89.3	0.8	67	7	26	0.85



1. Product Concept

This product is a high-quality automotive window film developed using advanced film-forming technology.

It maintains excellent transparency while providing privacy protection, UV blocking, shatter resistance, and thermal insulation.

Designed to enhance comfort and safety inside vehicles, multiple film types are available to suit different vehicle conditions and user requirements, making it suitable for professional installation.

2. Composition & Key Features

- Type: Automotive window film
- Form: Film sheet
- Applicable Materials: Automotive glass
- Finish: High-transparency type / smoke type / mirror reflective type / UV protection type / thermal insulation type (depending on product specification)

Grade Configuration

- HD Smoke Series (5HD-45HD): Adjustable visible light transmission
- Mirror Reflective Type: External reflection for privacy enhancement
- UV Protection Type: High UV-blocking performance
- Thermal Insulation Type (IR): Infrared heat rejection focused design

Key Features

- Excellent balance of transparency and privacy protection
- Hard-coat layer provides high scratch resistance
- Effectively blocks harmful ultraviolet rays
- Helps prevent glass fragment scattering in the event of breakage



3. Performance & Characteristics

Workability

Supports wet installation, allowing easy positioning and adjustment.

Compatibility

Suitable for automotive side windows and rear windows.

Enhancement of Gloss & Clarity

Maintains a clear and refined glass appearance without visual distortion.

Safety

Reduces glass scattering when breakage occurs, contributing to occupant safety.

Ease of Operation

Stable installation is achievable using dedicated application solution and squeegee tools.

Cost Efficiency

Roll-format supply improves efficiency for professional and high-volume installation work.

Non-Applicable Contaminants

Internal glass haze or structural distortion of glass.

4. Recommended Application Areas

- Side windows
- Rear window
- Quarter windows
- Roof glass (applicable vehicle models only)

5. Application Method

1. Thoroughly clean the glass surface to remove dirt and oils.



2. Spray application solution uniformly onto both the glass and the adhesive side of the film.
3. Align the position and apply the film onto the glass.
4. Use a squeegee to remove moisture and air bubbles completely.

6. Precautions During Application

- Avoid installation under direct sunlight; maintain appropriate working temperature.
- Use clean tools to prevent scratching the film surface.
- Avoid opening or closing windows for 24-48 hours after installation.

7. Summary of Product Properties

- High-performance automotive window film designed exclusively for vehicle glass
- Provides UV protection, thermal insulation, privacy enhancement, and shatter resistance
- Wide lineup allows selection based on transmission rate and functional requirements

8. Remarks

- Professional installation is recommended for optimal results.
- Optical and functional performance varies depending on film type.
- A curing period is required for full adhesion after installation.

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The information contained in this Technical Data Sheet is based on current technical knowledge at



the time of publication.

Specifications and details are subject to change without prior notice.