

GOMS Co., LTD

Business Proposal

www.gomsfilm.com
www.window.film

GOMS

1. GOMS Overview

Corporate Name

GOMS Co., Ltd.

Registered Number

231-88-01523 (Suwon City Gyeonggi Province Republic of Korea)

Address

#462, Onjeong-ro, 91 beon gill, Gwonseon-gu, Suwon-si,
Gyeonggi-do, Republic of Korea 16386

Contact information

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Business Category

Trade

- Window Film / PPF
- Car accessories

Consulting service

- Window film business

Manufacture

- Window Film

2. Company profile

- **How to improve window film business market?**

GOMS provide window film service for success of business area.

We are allies of Window film working group.
20 years of each division experience to serve our customer.

Manufacture (Ansung Korea)



Chemical and R&D facility

Located in Cheongju-si Korea.
Research and Formulate Window film row chemical material.
Over 20 years of Window film material specialist.

Marketing and Sales Office

GOMS located in Suwon Korea.
Provide customer service and consulting service to end customers.

GOMS

3. Working Group

- **How to extend window film business market?**

We innovate our work for new product and stable product.

We work 'IR Rejection Film' from 2005.

We work 'Carbon Adhesive Type Film' from 2012.

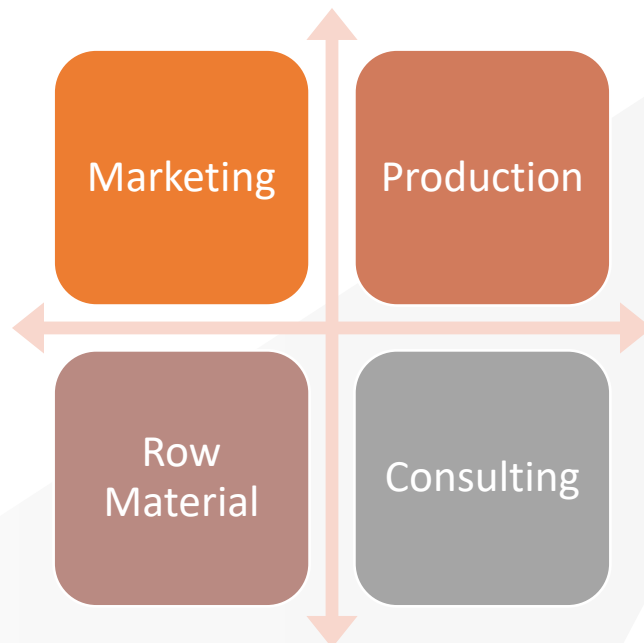
We work 'Yellow Light Rejection Film' from 2017.

We work 'Easy Install Film' from 2018.

We work 'PPF' from 2019.

We work 'Anti Microbial Window film' From 2021

GOMS works



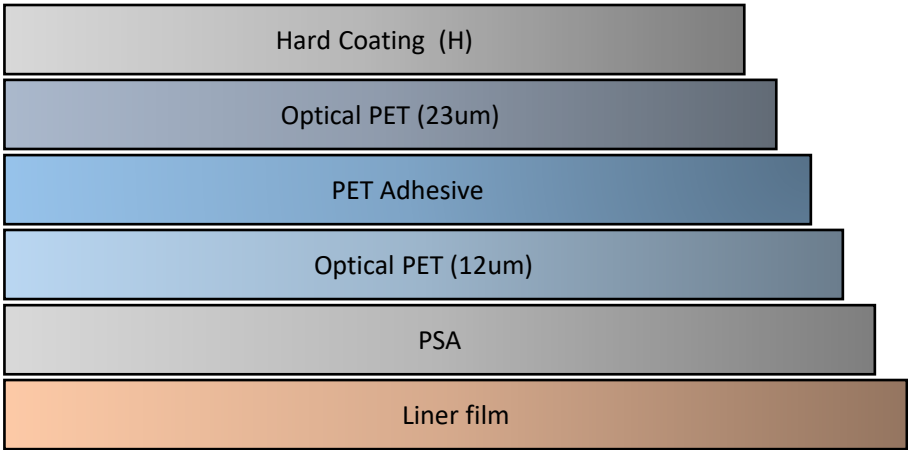
Customer Satisfy

4. Window Film Item Specification

Product	VLT			VLR		SOALR HEAT			IRR		UVR	TSER	SC	SHGC	SR	ADHESION OF HARD COAT
	Photo meter	EDTM (SD-2400)	VL-100	In Side	Out Side	REFLECTION	ABSORBED	TRANSMITTE D	900~1000nm	780~2500nm	UV REJECTIO N					
Carbon 05	6.3	6	6	5.2	5.1	5.0	76.7	18.3	75.2	60.1	99.0 %↑	61.0	0.45	0.39	H	5B
Carbon 15	14.7	14	14	5.4	5.2	5.2	67.6	27.2	65.2	52.4	99.0 %↑	54.6	0.52	0.45	H	5B
Carbon 20	19.7	19	19	5.3	5.9	6.0	61.1	32.9	59.3	46.5	99.0 %↑	50.6	0.57	0.49	H	5B
Carbon 35	35.2	32	33	5.8	5.8	5.9	48.0	46.0	47.3	37.2	99.0 %↑	41.0	0.68	0.59	H	5B
Carbon 42	43.1	38	42	6.5	6.9	7.0	41.8	51.3	41.9	34.6	99.0 %↑	37.4	0.72	0.63	H	5B
Carbon 50	48.1	42	46	6.4	6.3	6.5	37.9	55.7	37.9	31.3	99.0 %↑	34.1	0.76	0.66	H	5B
Carbon Pro 02	4.6	4	4	6.0	5.1	5.2	83.0	11.8	83.9	76.6	99.0 %↑	65.8	0.39	0.34	H	5B
Carbon Pro 05	7.0	7	6	7.3	6.0	6.6	79.8	13.7	81.6	77.3	99.0 %↑	64.8	0.40	0.35	H	5B
Carbon Pro 15	15.8	15	15	6.8	5.9	6.8	70.3	22.9	71.4	68.5	99.0 %↑	58.1	0.48	0.42	H	5B
Carbon Pro 20	26.4	26	25	6.9	7.5	8.3	60.3	31.3	64.3	63.0	99.0 %↑	52.4	0.55	0.48	H	5B
Carbon Pro 35	41.1	35	39	7.6	9.3	9.8	47.4	42.8	54.1	56.8	99.0 %↑	44.4	0.64	0.56	H	5B
Carbon Pro 50	48.0	43	48	8.6	10.8	10.9	42.0	47.1	51.6	55.3	99.0 %↑	41.6	0.67	0.58	H	5B
Carbon Pro 70	70.6	71	69	8.3	10.0	9.2	25.5	65.4	36.5	38.2	99.0 %↑	27.7	0.83	0.72	H	5B
Carbon HP 05	7.4	7	6	5.7	5.8	5.5	81.0	13.5	78.6	87.6	99.0 %↑	64.6	0.41	0.35	H	5B
Carbon HP 15	17.1	16	16	6.0	6.1	5.8	73.7	20.5	71.2	86.8	99.0 %↑	59.6	0.46	0.40	H	5B
Carbon HP 20	24.4	24	23	6.0	6.1	5.8	67.8	26.3	65.4	84.6	99.0 %↑	55.3	0.51	0.45	H	5B
Carbon HP 35	33.3	31	31	6.3	5.8	5.5	61.5	33.0	59.5	81.8	99.0 %↑	50.4	0.57	0.50	H	5B
Carbon HP 42	39.9	35	38	7.0	6.9	6.4	57.4	36.1	57.8	82.5	99.0 %↑	48.3	0.59	0.52	H	5B
Carbon HP 50	50.7	44	49	7.1	6.7	6.1	50.3	43.6	52.0	80.2	99.0 %↑	42.8	0.66	0.57	H	5B
HP 75	80.2	76	77	8.9	8.7	7.1	31.7	61.3	40.4	76.3	99.0 %↑	30.1	0.80	0.70	H	5B
Ceramic IR 05	4.9	5	4	6.0	5.8	5.5	85.0	9.5	83.9	91.7	99.0 %↑	67.6	0.37	0.32	H	5B
Ceramic IR 20	22.9	21	21	5.6	5.5	5.2	75.0	19.8	83.5	81.0	99.0 %↑	59.9	0.46	0.40	H	5B
Ceramic IR 35	33.0	30	30	5.9	5.8	5.3	69.9	24.7	82.4	81.1	99.0 %↑	56.4	0.50	0.44	H	5B
Ceramic IR 50	53.7	47	51	7.2	7.6	6.4	60.6	33.0	83.4	84.3	99.0 %↑	50.6	0.57	0.49	H	5B
Ultra Performance 05	11.3	10	9	5.6	5.9	5.5	88.1	6.4	97.7	98.3	99.0 %↑	69.8	0.35	0.30	H	5B
Ultra Performance 20	23.3	21	21	5.8	5.6	5.1	82.9	11.9	96.8	97.9	99.0 %↑	65.6	0.39	0.34	H	5B
Ultra performance 35	36.2	31	32	6.4	6.7	5.9	76.0	18.0	95.5	97.3	99.0 %↑	61.4	0.44	0.39	H	5B
Ultra Performance 42	46.0	39	42	6.9	7.2	6.2	71.8	22.0	95.5	97.3	99.0 %↑	58.6	0.48	0.41	H	5B
Ultra Performance 50	51.1	43	48	7.3	7.6	6.4	69.4	24.2	95.7	97.6	99.0 %↑	57.0	0.90	0.43	H	5B
ZU 05	6.2	6	5	7.0	6.8	5.5	88.1	6.4	97.7	98.3	99.0 %↑	70.8	0.35	0.30	H	5B
ZU 15	16.1	16	15	7.0	6.8	5.1	82.9	11.9	96.8	97.9	99.0 %↑	67.1	0.37	0.32	H	5B
ZU 35	36.6	35	38	8.4	8.1	5.9	76.0	18.0	95.5	97.3	99.0 %↑	59.4	0.47	0.41	H	5B
ZU 70	68.3	69	70	9.5	9.3	5.9	64.3	29.8	99.2	92.4	99.0 %↑	48.5	0.54	0.47	H	5B
ZC 05	5.8	5	4	6.4	6.2	5.5	81.0	13.5	78.6	87.6	99.0 %↑	66.1	0.41	0.35	H	5B
ZC 15	15.1	16	13	8.3	8.1	5.8	73.7	20.5	71.2	86.8	99.0 %↑	59.1	0.46	0.40	H	5B
ZC 35	32.7	31	31	7.7	7.4	5.8	73.7	20.5	71.2	86.8	99.0 %↑	49.4	0.46	0.40	H	5B
ZC 75	80.4	76	80	8.9	8.7	7.1	31.7	61.3	40.4	76.3	99.0 %↑	30.1	0.80	0.70	H	5B

5. Window Film Product technology

- Module System require by customer and Market



Module system require by market.

Product	Main	Option
Hard Coat	Clear	Ceramic IR
PET	Clear	Metal PET
Adhesive	Clear	Carbon
Liner film	Clear	Ultra Clear

GOMS support all kind of window film item. Using module system.

6. Advance visual technology

- Contrast control, High Clarity Window film



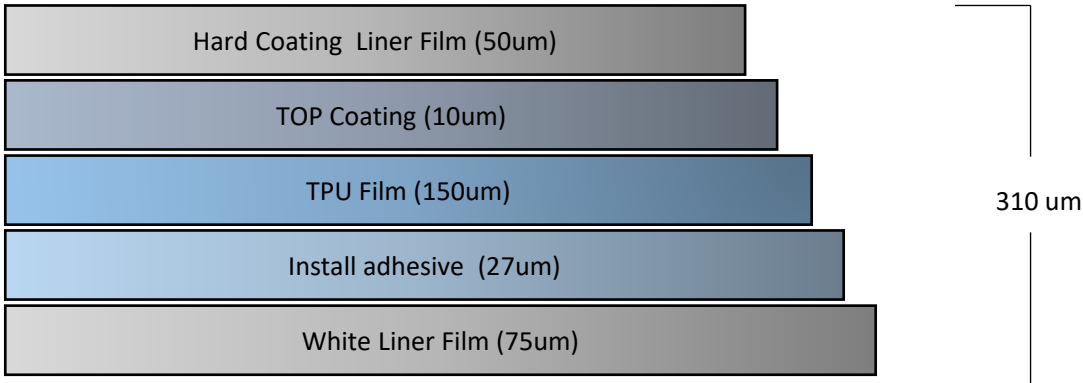
GOMS Contrast Film reduce 70% of 570nm~590nm of light wavelength.
Increase Contrast, visibility
reduce dazzling and glare of Sun light and car head lights.

Product	VLT				VLR		SOALR HEAT			IRR		UV REJECTION	SHGC	SC	TSER
	EDTM (SD-2400)	SKC (VL-100)	Spectro photometer	580nm	INT	EXT	TRANSMITTED	REFELCTION	ABSORBED	900~1000nm	780~2500nm				
Contrast Pro 5095	48 %	52 %	53%	16%	7.4	7.8	28.8	6.7	64.5	94.2	96.7	99.5%	0.46	0.53	53.8
Contrast Pro 7070	71 %	68 %	67%	30%	8.1	8.0	47.0	6.8	46.2	72.0	78.8	99.5%	0.60	0.68	40.5
Contrast Pro 7040	71 %	68 %	67%	41%	7.5	7.8	57.9	6.9	35.2	40.9	77.1	99.5%	0.67	0.77	32.6



6. PPF Item specification

▪ Ultra Performance PPF



Property		Unit	SPEC	Value	Test Method
Thickness	PET Protection Film	μm	50±2	50	Micro Thickness Gauge
	TOP Coat	μm	12±2	10	
	TPU	μm	150±2	150	
	Clear Adh.	μm	27±2	27	
	White Liner	μm	75±2	75	
Adhesive Strength	Clear Adh.	N/25mm (g/f)	>13	15	KS T 1028 300mm/min 180° Peel SUS304
TOP Coat	Self-Healing	—	Within 10sec		Bronze Brush
	Contact Angle	°	100°±5	100°	KRUSS (Easy Drop)
	Elogation	%	170>	180	ASTM D1000
	Pollution Resistance	No stain left			Oil Magic Test
	Solvent Resistance	Will not react			Carb & Choke Cleaner

7. Anti Microbial Window film

New Protection Z IR Series

GOMS provide new protection from pandemic issues.
We had specialized our Hard coating surface, Using ZnO for Anti Microbial.
Now window film can be protected by UV, Heat and Baterias



Test Report(Reference) No. F690101/LF-CTSAYFN21-06900 Issued Date : 2021. 03. 15 Page 1 of 5

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Suwon-si, Gyeonggi-do
KOREA

The following sample(s) was/were submitted and identified by/on behalf of the client as:-
This report is not related to the Ministry of Food and Drug Safety 「ACT ON TESTING AND INSPECTION IN THE FOOD AND DRUG INDUSTRY」

SGS File No.	: AYFN21-06900
Sample Description	: Z IR
Item no./Lot No.	: -
SGS Ref No.	: AYHA21-02761
Test Period	: 2021. 03. 02 to 2021. 03. 15
Purpose of Test Report	: Data for reference
Test Results	: For further details, please refer to following page (s)
Report Comments	: The test results are limited to the requested product(sample name, item no.), and the sample don't have food Labeling information of Korea regulation. This test report is not related to Korea Laboratory Accreditation and KS Q ISO/IEC 17025. Verify for authenticity and validity in web site : https://eecloud.sgs.com/index.aspx . This report cannot be used differently from the test purpose



Test Report(Reference) No. F690101/LF-CTSAYFN21-06900 Issued Date : 2021. 03. 15 Page 2 of 5

Results:

Antimicrobial Activity (ISO 22196)						
Test microorganisms	Initial bacteria number (CFU/film)	Control (CFU/film)	Result(s)			
			Sample (CFU/film)	Antimicrobial activity		
				R	Percentage (%)	
Escherichia coli ATCC 8739	2.9 x 10 ⁵	1.9 x 10 ⁶	1st	<1	6.9	>99.9%
			2nd	<1	6.9	>99.9%
			3rd	<1	6.9	>99.9%
Staphylococcus aureus ATCC 6538P	2.8 x 10 ⁵	1.2 x 10 ⁷	1st	2.1 x 10 ⁴	2.7	99.8%
			2nd	1.5 x 10 ⁴	2.9	99.9%
			3rd	1.7 x 10 ⁴	2.9	99.9%

<Remark>
1) Inoculum Concentration :
Escherichia coli : 2.9 x 10⁵ CFU/film
Staphylococcus aureus : 2.8 x 10⁵ CFU/film
2) Method: ISO 22196 methods- Pour plate method
3) Dilution Medium : 1/500 Nutrient broth (BD)
4) Inoculations : 35 °C, 24 hr
5) Incubation : 35 °C, 48 hr
6) Material : PET film



Technical Manager / SGS KOREA

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FQP-32-F2 (3)

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8. Benefit of Product

- How to spread window film business market?

We think about benefit of window film business.

How to make easy install for tint shop.

How to make performance to driver.

How to make benefit to distributor.

Allies work from marketing → design → raw material → production.

We think about Market and we are willing to change with market needs.

Easy install –

To avoid heat attack from manufacture system.

We have invent **LHP** (Low Heat Process) to maintain shrinking gage of Window film.

Long life color –

To Maintain Color of Window Tint.

GOMS use Nano Carbon Technology to maintain color for lifetime.

Packing –

GOMS support 40inch items for Carbon, Carbon HP, Ceramic and UP type items.

Extend the best choice for Distributors.

Free sample for Testing.

Please inform you contact information to goms@gomsfilm.com

We can provide 40" * 10' sample for your testing.

Thank you!

we are no fear to be first mover!

GOMS