

GOLDMAN

PAINT PROTECTION FILM

SGS Performance Reference Catalog

Premium clear paint protection film performance data
Based on the supplied SGS Test Report No. SUZMR260200089701
Reference report date: 03 March 2026

PROTECT THE FINISH. PRESERVE THE VALUE.

Important Report Reference

This catalog presents performance results taken from the SGS report supplied by the user. The report identifies the tested product as CLEAR PPF / Polycarbonate (PC) Paint Protection Film, with customer, manufacturer and supplier listed as Shanghai HOHO Industry Co., Ltd. Therefore, this document must be used as a **performance reference** and not as evidence that SGS directly tested a product branded Goldman PPF.

For official Goldman PPF certification, a production sample bearing the final Goldman specification should be submitted for independent testing. The supplied SGS report also states that its results refer only to the tested sample and that the report is for the client's internal reference.

95.8 GU

Gloss at 60°

5B

Coating adhesion

35.4 MPa

Tensile strength

410%

Elongation at break

2000 h

UV exposure test

0.21–0.40

ΔE^*_{ab} after UV test

Test Performance Summary

Test	Standard / Method	Result
Reagent Resistance	ISO 2812-1:2017	5% H ⁺ SO ₄ , 24 h: No visible change
Gloss	BS EN ISO 2813:2014	95.8 GU at 60°
Coating Adhesion	ASTM D3359-23	5B / 5B / 5B
Tensile Test	ASTM D638-22	35.4 MPa tensile strength; 410% elongation
Pollution Resistance	Client-provided method	No visible residue after marker/alcohol test
High Temperature	Client-provided method	80°C for 384 h: No visible changes
Neutral Salt Spray	ISO 9227:2022+A1:2024	24 h: Pass / no visible change
UV Light Ageing	ASTM G154-23 Cycle 1	2000 h; ΔE*ab SCI: 0.33 / 0.40 / 0.21

Goldman PPF Performance Highlights

HIGH GLOSS FINISH

The reference sample recorded 95.8 GU at 60° under BS EN ISO 2813:2014.

STRONG COATING ADHESION

All three adhesion specimens achieved 5B, the highest ASTM D3359 classification stated in the report.

FLEXIBILITY

ASTM D638 testing recorded 410% elongation at break.

MECHANICAL STRENGTH

Tensile strength was recorded at 35.4 MPa.

HEAT RESISTANCE

No visible changes were recorded after 384 hours at 80°C under the client-provided method.

CHEMICAL RESISTANCE

No visible change was reported after 24 hours in 5% sulfuric acid under ISO 2812-1:2017.

UV AGEING PERFORMANCE

After 2000 hours of ASTM G154-23 Cycle 1 exposure, the reported ΔE^*_{ab} SCI values were 0.33, 0.40 and 0.21.

POLLUTION CLEANABILITY

No visible residue was reported after the marker and alcohol cleaning test.

Technical Reference Data

Property	Reference Value
Sample description	A – Transparent film
Reference thickness	0.193 mm
Gloss	95.8 GU at 60°
Adhesion	5B (three specimens)
Tensile strength	35.4 MPa
Elongation at break	410%
Acid resistance	No visible change after 24 h in 5% H ₂ SO ₄
High-temperature exposure	80°C × 384 h; no visible changes
Neutral salt spray	24 h; no visible change
UV exposure	2000 h ASTM G154-23 Cycle 1
Color change after UV	ΔE*ab SCI: 0.33 / 0.40 / 0.21

Note: These are reference results from the supplied SGS report for the tested sample. Final Goldman product specifications should be verified against the exact finished production film.

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PREMIUM SURFACE PROTECTION

This catalog is a branded presentation of performance information extracted from the supplied SGS report. It does not replace the original test report and should not be presented as an SGS certificate issued directly to Goldman PPF.

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