QUALITY PANELS • STRONGER FUTURES

EGYPT CHINA FOR ASA

ASA Surface Films • Precision in Every Layer.

PRODUCT CATALOGUE • WEATHER-RESISTANT FILMS



Industrial Headquarters & Production Lines: EGYPT CHINA FOR ASA Factory, Sadat City

From China to Egypt • A Partnership Building the Future

02 / ABOUT US

Material Is Where Every Detail Begins.

EGYPT CHINA FOR ASA manufactures engineered surface films built to unite lasting outdoor color fidelity, tactile surface finish, and reliable extrusion-line performance.

From China to Egypt

An industrial partnership pairing polymer engineering with local production in Sadat City, placing UV stability, shade precision, and craft at the center.



Multi-grade pigmented ASA resin granules across core architectural tones

03 Material Properties
04 Colors & 13 EC Codes
05 Product Details
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03 / MATERIAL PERFORMANCE

Why Choose ASA Surface Films?

ASA

Acrylonitrile Styrene Acrylate

An engineered polymer formulated for exterior surface films demanding strong UV resistance, desert heat stability, and clean bonding over UPVC sheets and profiles.

ASA Film (Top): Weather Shield Layer
Exterior UV & salt protection (10 ERP codes)

ASA Film (Bottom): Backing Layer
Interior chemical & heat balance (3 codes)

01

Weather & UV Resistance

Engineered to resist intense sunlight, humidity, rain, and coastal salt spray without blistering or surface cracking.

02

Long-Term Color Stability

Saturated acrylate elastomer chemistry reduces fading and yellowing under extended QUV accelerated exposure.

03

Consistent Surface Finish

Produces uniform gloss and embossed textures verified directly against signed factory master samples before rollout.

04

Extrusion Line Adaptability

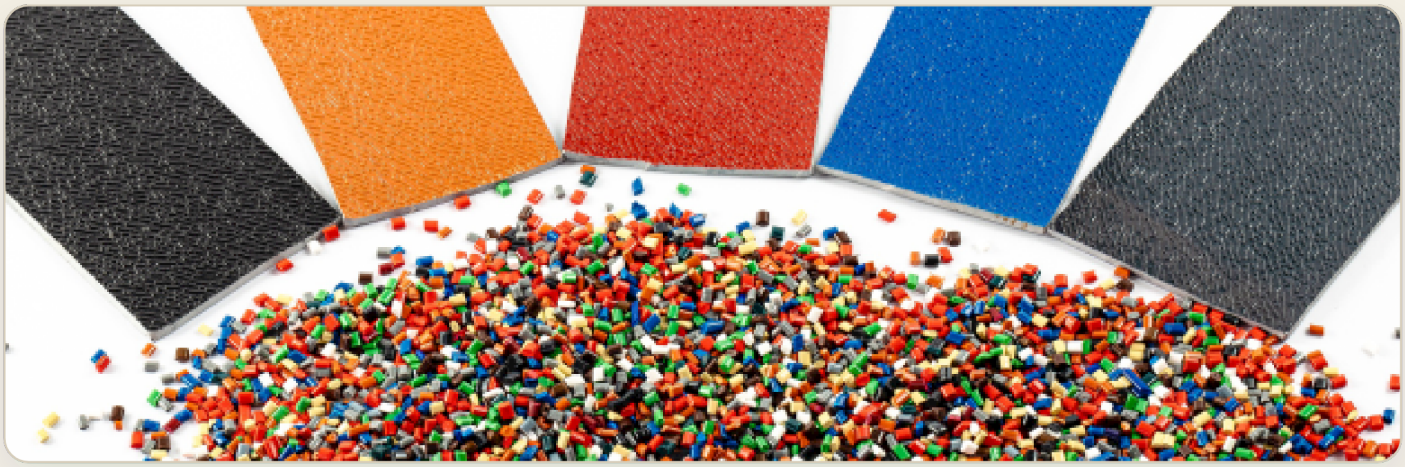
Selected by substrate profile and heat lamination window, with dedicated Top and Bottom film grades ready to pair.

Final surface performance depends on film grade, gauge, and lamination settings;
consult certified ASTM, GB/T, and RoHS 2.0 values in Technical Data Sheet Page 06.

04 / COLOUR & FINISH

Defined Colors. 13 Certified EC Codes.

Standard factory ERP production shades for ASA Film (Top) and ASA Film (Bottom).



Actual embossed sample plates and colored ASA granules showing tactile grain depth

ASA Film (Top): Exterior Weather Layer

10 Standard Codes

ECRAL5012
Sky Blue

ECCMB97508
Dark Blue

ECCMO96398
Brick Red

ECCMA96681
Dark Grey

ECCMO96375
Dark Orange

ECRAL7045
Standard Grey

ECRAL1014
Architectural Ivory

ECRAL6019
Light Green

ECCMO96275
Tile Orange

ECRAL9016
Traffic White

ASA Film (Bottom): Interior Backing Layer

3 Backing Codes

ECCMG96279
Backing Green
Acid & vapor barrier

ECCMA45050
Backing White
Interior reflectance

ECCMO98501
Backing Yellow
Thermal balance layer

Shade & Finish Verification Note:

Printed color chips are visual references only; ambient lighting and displays vary.

Final code, gloss level, and embossing must be confirmed by physical sample with QC.

05 / PRODUCT DETAILS

Surface Detail Up Close.

How ASA surface films deliver lasting gloss control, embossing clarity, and panel protection.



Brick Red Corrugated Sheet Finish

Uniform ASA weather skin across formed ribs



Charcoal Embossed Textured Finish

Matte tactile grain cutting harsh solar glare

Supply Format	Standard Thickness	Lamination Window
Industrial Rolls	0.15 to 0.45 mm	140 to 170 °C

01 Defined Embossed & Smooth Finishes

Pebble or satin finishes deliver crisp architectural depth across corrugated tiles and UPVC profiles with strong resistance to surface abrasion and wear.

02 Dual-Layer Color Fidelity

Both Top weather shades and Bottom backing layers are inspected under calibrated lighting against signed physical factory master swatches.

03 Custom Roll Widths for Lamination Lines

Rolls are precision-slit to match your exact substrate width, standard gauge, and thermal calendering line speed requirements.

06 / TECHNICAL DATA SHEET

REF: TDS-ASA-01

Technical Data Sheet & Standard Specs.

Standard Weather-Resistant ASA Surface Film Series verified under ASTM, GB/T, and RoHS 2.0

ISSUING AUTHORITY	REGULATORY COMPLIANCE	APPLICATION SCOPE
Quality Control & Technical Specs	RoHS 2.0 & ISO Verified	Roof Tiles, PVC Profiles & Panels

Property / Parameter	Test Method	Test Condition	Unit	Std. Value
Form	-	Smooth surface, uniform thickness, and integrated structure	-	Meet
Colour	-	Uniform shade consistency	-	Meet
Tensile Strength	ASTM D638-14	50 mm/min	MPa	39.8
Flexural Strength	ASTM D790	3 mm/min	MPa	52.6
IZOD Impact	ASTM D256	1/8"	J/m	194
Elongation at Break	ASTM D638-14	-	%	12
Melt Index	ASTM D1238	230°C / 21.6 kg	g/10min	25
Vicat Softening Temp.	ASTM D1525	5 kg & 50°C/H	°C	85.2
Specific Gravity	ASTM D792	23°C	g/cm³	1.086
QUV Lamp 6000h	GB/T 16422.2-1999	65°C / 6000h	ΔE	2.85
ASH Rudimental	ASTM D5630	960°C	%	2.4
Heating Expansion	-	-	%	±0.5
Heat-Seal Strength	-	-	N/15mm	≥ 7.0
Rockwell Hardness	ASTM D785	-	R	105
Corrosion	-	NaOH (10%), H_2SO_4 (20%), HCl (20%)	-	No obvious change
Salt Spray	-	NaCl (5%) / 1000 hrs	-	No obvious change
RoHS 2.0	2011/65/EU & (EU) 2015/863	-	-	PASS

Storage, Handling & Environmental Compliance

Storage: Keep in a cool, dry, clean indoor warehouse away from sunlight, rain, and heat with sealed packaging.

Safety: Non-hazardous under (EU) 1272/2008 CLP & GHS; fully compliant with RoHS 2.0 (2011/65/EU & 2015/863).

07 / SAMPLE TO APPLICATION

From Sample to Application.

Four structured stages to qualify ASA surface films on your extrusion line with confidence.

01

Define Line & Layer Requirements

Specify your end application (roofing, cladding, UPVC profile), required layer (Top or Bottom), EC color code, roll width, thickness, and volume.

02

Inspect Physical Master Sample

Evaluate color match, surface gloss, and embossed grain under calibrated lighting directly against the intended substrate material.

03

Run Inline Lamination Trial

Perform a production-line test pass to verify heat-seal bond strength, web tension, and bubble-free surface uniformity at line temperatures.

04

Approve Spec & Confirm Bulk Supply

Sign off the physical shade swatch, TDS-ASA-01 tolerance, roll packing terms, and delivery schedule prior to scheduling bulk production.

Pre-Production Order Verification Checklist

Confirm EC color code, roll width, standard gauge, and heat-seal calibration before production; follow all storage and environmental handling conditions detailed on Technical Data Sheet Page 06.

08 / LET'S TALK SURFACES

The Right Surface for Your Project Starts Here.

Request ASA surface film sample rolls, TDS-ASA-01 sheets, or technical consultation across all 13 certified EC codes directly from EGYPT CHINA FOR ASA.

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https://egychinaasa.com

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Sadat City • Zone 7

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