HX Production Limited

Producer of PC Film
Hardcoat PET Film
Rigid PVC & APET Film
Backlit Film

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HX Milestone

2005   1st Optical PC Film extrusion line was installed in Guangdong, China

2006   ISO9001 Quality system was accredited

2009   1st & 2nd Rigid PVC Film Calendar line were installed in Shenzhen, China
Strategic alliance with Carrier Four to supply PVC film for plastic blister & tray
Monthly capacity of PVC film reaches 1,000 ton, 50 container / month

2012   2nd PC Film extrusion line was installed

2013   3rd PC Film extrusion line was installed
Monthly capacity of PC film reaches 800 ton, 40 container / month

2014   1st Rigid APET Film extrusion line was installed to produce APET, PETG,
GAG film & sheet for thermoforming / folding box market

2016   2nd Rigid APET Film extrusion line was installed

2018   Launch of Reflective & Diffusion PC & PET film for LED lighting
panel, Advertising panel, TFT, Display module application.
Monthly capacity for PC Film (30 container), Super Clear & Hardcoat
PET Film (20 container)
PVC Film (50 container), APET/GAG/PETG Film (30 container)

HX Group is a dynamic organization with a sustainable investment and development starting in 2005. **HX** was firstly established with **Polycarbonate Film PC Production** in Guangdong, China. Strategic investments in factory of **PVC/APET/GAG/PETG Film/Sheet** in the stream of supply chain were inputted in 2009 & 2014 to strengthen the quality supply of materials/parts. Nowadays, with the strong support from our coating facility partner, we produce different kinds of **PC & PET films with anti-scratches, diffusion, reflection applications**

All our products are delivered in compliance with national standard, such as SGS, ROHS, REACH, FDA certification, etc. By establishing stronger ties with business partners, distributors in local and overseas market, our products are available, in terms of OEM or own brand labeling, worldwide in Europe, Asia Pacific, Middle East, Africa and America, etc. Our film products are commonly applied in international World-brand end-products, e.g. Disneyland, Samsung, LG, Philips, SONY, Apple, Casio, etc.

PC Film (Polycarbonate Film)

HX, launched an extrusion PC production line to serve daily use of PC film in local and oversea customers in 2005. With the use of the world brand PC resin from Sabic and Teijin, we produce & offer a broad range of the PC film & sheet, named & compared as below:

HX	Description	Equivalent to the Brand
(A) Printing Grade		
GG-Optical	Optical Gloss	Suit for coating, metalizing, high-class printing
GG	Gloss/Gloss	Sabic Lexan 8010, Teijin 1151, EC101, 811
VM	Velvet/Matte	Sabic Lexan 8B35, 835, EC101-80
MG	Matte/Gloss	Sabic Lexan 8A13
VG	Velvet/Gloss	Sabic Lexan 8A35
FS13	Matte/Gloss	Milky White Reflector PC
DF series	Diffuser PC sheet (Natural or White)	

(B) Flame Retardant Grade		
FRPC700-ECO	Black Velvet/Gloss	Sabic Lexan FR700 / EFR series

Thickness (Roll)	0.125 / 0.175 / 0.25 / 0.375 / 0.43 / 0.5 / 0.76mm
Thickness (Sheet)	0.5 – 1.2 mm

Application	
Screen-printing	Membrane switch overlays, automotive dials
	Label for house appliance, washing machine, boiler
	Mirrors plastic & Silver glass surface
	PC Monitor & LCD/LED TV screen display

Punch to Insulate	Insulation barriers for electric plug & socket
	Die-cut spacer & insulator
	Mobile device support case

Thermoforming	Face shield, safety visor, goggles
	Bicycle helmet production
	PC blister & PC tray
	Lamp shape, light shade

Reflection/Diffusion	LED Lighting, advertising light panel
	Forming to replace aluminum lighting case
	TFT, LED TV, Display module
	Light guide panel

Hardcoat PET Film

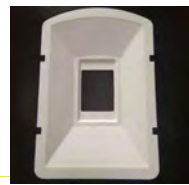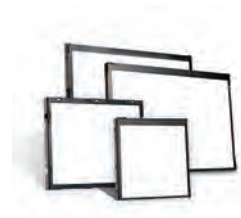| Type	Description		
TCC (UY4200)	Super Clear PET (Primer treated for Solvent based ink)		
TCC (UY4300)	Super Clear PET (Primer treated for UV ink)	**Hardness**	
EBG130, EBG180, EBG250	Transparent Clear Hardcoat PET		
EBA130, EBA180, EBA250	Anti-glare Hardcoat PET		
F150L, F200L, F280	Fine Matte / Gloss Hardcoat PET	2-3H	
V150L, V200L, V280	Velvet / Gloss Hardcoat PET		
HL150L, HL200L, HL280	Hairline / Gloss Hardcoat PET		
ST150, ST200, ST280	Soft Touch Hardcoat PET		

Thickness (Roll)	0.13, 0.15, 0.188, 0.25, 0.28mm
Dimension (Roll)	1000mm x 200m
Masking	1-side Green PE masking

Application	Membrane switches for medical equipment
	Mobile phone back case
	Touch panel display

Backlit PET Film

Type	Description	Application
RF100, RF125	Reflective PET Film	LED Lighting, advertising light panel
XF, KF series	Diffuser PET Film	

Type	Description	Application
RF188-G	Reflective PET Film	TFT, LED TV, Display Modules
CDX series	Diffuser PET Film	
BEF100, BEF125, BEF150	Bright Enhancement Film (BEF)	

Hardcoat PC/ PMMA Sheet

Type	Description	Thickness(mm)	Dimension(mm)	Hardness
HCGG	Hardcoat PC	0.175 – 1.5mm	915x1830mm	1H
HCGG	Hardcoat PMMA	0.65 – 2.0mm	400x550mm 1260x1680mm	4-5H

Application	Touch screen for mobile device
	Display window for electronic product
	Membrane switches
	Furniture cabinet glossy surface

PC Film Packing Standard

Grade	Thickness (mm)	Roll dimension (width x length)	Net weight (Kg/roll)	Texture	Color
GG	0.127mm 0.178mm 0.254mm 0.380mm 0.500mm	915mm x 396m 930mm x 335m 930mm x 243m 930mm x 182m 930mm x 152m	55.2 65 69 76 84.9	Gloss / Gloss	Transparent Clear
VM/MG/VG	0.125mm 0.175mm 0.250mm 0.380mm 0.500mm	930mm x 640m 930mm x 457m 930mm x 322m 930mm x 210m 930mm x 160m	89.3 89.3 89.3 89.3 89.3	VM: Velvet / Matte MG: Matte / Gloss VG: Velvet / Gloss	Matte Clear
FRPC700-ECO	0.175, 0.25, 0.375, 0.43, 0.5, 0.76mm	930mm width	89.3	Velvet / Gloss	Black
FS13 Reflective PC	0.200mm 0.300mm 0.400mm 0.500mm 0.600mm 0.700mm	1200mm x 420m 1200mm x 260m 1200mm x 200m 1200mm x 160m 1200mm x 130m 1200mm x 100m	137 130 130 130 127 114	Matte / Gloss Reflector	Milky White

Grade	Thickness (mm)	Sheet dimension (width x length)	Net weight (Kg/pcs)	pcs/pack	pcs/pallet
GG Sheet / GG-Optical (Gloss/Gloss)	0.500mm 0.635mm 0.700mm 0.800mm 0.900mm 1.000mm 1.200mm	930mm x 1830mm 930mm x 1830mm 930mm x 1830mm 930mm x 1830mm 930mm x 1830mm 930mm x 1830mm 930mm x 1830mm	1.02 1.29 1.41 1.61 1.83 2.01 2.45	20 15 15 10 10 10 10	600 450 450 400 400 300 300
HCGG PC	0.175-2.0mm	930mm x 1830mm	Hardcoat Clear PC: 1H		
HCGG PMMA		1220mm x 1680mm	Hardcoat Clear PMMA: 4-5H		
DF Diffuser	0.5, 0.7, 0.8, 1.0, 1.2, 1.5mm	1220mm x 2440mm	DFN15 Natural Gloss/Velvet DFN35 Natural Velvet/Matte DFW15 White Gloss/Velvet DFW35 White Velvet/Matte 60/70/80% light transmission		

Super Clear PET & Hardcoat PET Film Packing Standard

Grade	Thickness (mm)	Roll dimension (width x length)	Texture	Hardness
TCC (UY4200)	0.100 ~ 0.350mm	Roll or Sheet at request	Super Clear PET (Primer treated for Solvent based ink)	
TCC (UY4300)			Super Clear PET (Primer treated for UV ink)	
EBG130 EBG180 EBG250	0.130mm 0.180mm 0.250mm	1000mm x 200m	Gloss/ Gloss Hardcoat Clear PET	Hardness: 2-3H
EBA130 EBA180 EBA250	0.130mm 0.180mm 0.250mm		Anti-glare Hardcoat Clear PET	
F150L F200L F280L	0.15mm 0.20mm 0.28mm		Fine Matte/ Gloss Hardcoat Clear PET	
V150L V200L V280L	0.15mm 0.20mm 0.28mm		Velvet/ Gloss Hardcoat Clear PET	
HL150L HL200L HL280L	0.15mm 0.20mm 0.28mm		Hairline/ Gloss Hardcoat Clear PET	
ST150L ST200L ST280L	0.15mm 0.20mm 0.28mm		Soft Touch/ Gloss Hardcoat Clear PET	

Backlit PET Film

Grade	Thickness (mm)	Roll dimension (width x length)	Texture
RF100, RF125	0.100, 0.125mm	1000mm width	Reflective White PET Film
RF188-G	0.188mm		
XF, KF series	0.05 - 0.188mm	Roll or Sheet at request	Diffuser PET Film
CDX series	0.05 - 0.275mm		
BEF100 BEF125 BEF150	0.100, 0.125, 0.150mm		Bright Enhancement Film (BEF)

1. Any specific texture & thickness are available on request   2. Rolled film is packed in carton, 6 rolls/ pallet

Rigid PVC Film

Rigid PVC film is ideal for deep & shallow draw and is engineered for most packaging application. Being easy de-nesting and mold release with or without silicone coating, it is specifically designed for thermoforming blisters, trays, clamshells, visual packaging and box making.
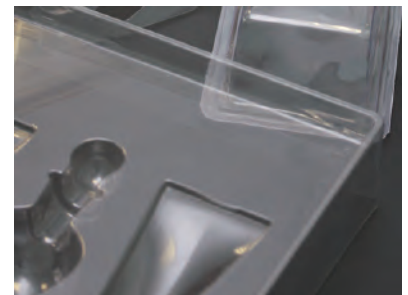
TYPE

- Thermoforming grade
- Cold crack forming grade for extreme weather conditions
- Boxes grade
- Metalizing grade (gold & silver color)
- Flame retardant grade
- Food grade

PRODUCT STATUS

Thickness	0.15-1.0mm
Width	200-950mm
Capacity	10,000 ton per annum

APPLICATION

- Blisters,Trays,Clamshells and visual packaging
- Non-whitening container box, boxes for detergents, shampoo, cosmetic packaging
- Food box, Candy packaging, Food tray and plate

APET/GAG/PETG Film

It is considered to be a perfect alternative of PVC film for packaging application. It provides excellent impact strength simple processing in folding and gluing without whitening. Being environmental friendly in base, it is easily recycled and broken down into carbon compound without polluting world-wide.

TYPE

- General Printing grade
- Thermoforming & Box grade
- Environmental recycle grade

PRODUCT STATUS

Thickness	0.25 -1.0mm
Width	200 - 850mm
Capacity	10,000 ton per annum

APPLICATION

- Hot and vacuum forming
- Crystal clarity box making
- Food, Medical & Teeth brush packing
- Industrial and Consumable box container
- Printing box for toy & shampoo packing
- Food box, Candy packaging, Food tray and plate

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