

Pentaprint® – PVC films for printing

For more than 40 years, Klöckner Pentaplast has been producing the world's most innovative rigid films for the world's most innovative companies. Our films deliver products that get noticed. We make film for everything from labels to credit cards to pharmaceutical and medical device packages.

Innovative products that meet your needs

Pentaprint® is the most comprehensive line of print films in the industry, with a broad range of formulations developed for a myriad of applications. The film prints beautifully, delivering exceptional brilliance and color to enhance your product's shelf appeal. High-impact strength ensures your product's durability. The films resist punctures and tears (including edge tears), as well as water, chemicals, grease, and most oils.

Pentaprint® is a versatile printing medium: the films can be used in all conventional printing technologies without any pre-treatment. With excellent lay-flat properties and dimensional stability, they process efficiently, with fewer rejects.

- Brilliant clarity
- Excellent printability (ink adhesion and surface tension)
- Inline treatments available for enhanced performance
 - Dynox treatment for ink adhesion and printing performance on gloss surfaces
 - Corona treatment to increase surface tension
- Embossed films offer excellent contact clarity, scratch resistance, and can be reverse printed
- Extremely durable and impact resistant
- Flame resistant and self extinguishing
- Low stress whitening formulations
- UV stable

Applications

- Advertising and promotional materials
- Tags and labels
- Banners
- Hot stamping
- Point-of-purchase items and displays
- Menus
- Charts
- Backlit panels
- Teaching materials
- Backer sheets
- Counter mats
- Mouse pads
- Floor graphics
- Printable and thermoformable items

Polymers:

PVC

Printing Methods:

Screen printing
Offset printing (Ox/UV)
Rotogravure printing
Flexographic printing
Digital printing (inkjet)
Thermotransfer printing
UV and solvent based ink systems

Options:

- Sheets or rolls
- Clear, transparent colors, and opaque colors
- Gloss/gloss, matte/gloss, matte/matte, embossed, Super Smooth (smooth matte) surfaces
 - Super Smooth is an alternative surface to gloss/matte where low glare and smooth surface characteristics are desired

Advanced technology, local production

Since the first film rolled off a kp calender line in 1966, we have continually invested in state-of-the-art calendering, extrusion, and orienting equipment. These operations impart our film with its most critical characteristics, including printability, durability, and brilliant clarity.

Wherever you print products, we can supply identical high-quality Pentaprint® film from our sites in Asia, Europe, and the Americas. kp global sourcing ensures security of supply.

When you buy kp film, you know it will perform on your machinery. We offer a full range of thicknesses, with tolerances so close, you can write tighter specifications to yield cost savings. All rigid PVC films are phthalate-free, raw materials are fully traceable, and your material is kept clean.

kp plants are ISO 9001:2000, 9001:2008, and 14001:2004 certified and we manufacture according to current GMP standards.

A world leader in film

At kp, we believe in meeting the needs of our customers comprehensively, with the highest quality films, the broadest range of formulations, and service and support from beginning to end. We offer the strength and stability of a global company, delivering results to you wherever you are.

Innovation. Solutions. Performance. Support. Results.
kp films deliver.



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Pentaclear® & Pentaprint® films overview

brand & polymer	end-use application										printing process						converting process										film requirements					
	box					print					UV offset	conventional offset	silkscreen	flexo	digital	sheeting	die cutting	folding	hot-melt	gluing	welding	hot crease	cold crease	hot stamping	thickness range microns	sheet max size/mm		roll max width/mm		clear	opaque	
	lid	carton	round tubes	window	backlit panel	point-of-purchase/ point-of-sale	display	label	tag/register	shelf dangler	+	+	+	+	+	+	+	+	+	+	+	+	+	50-800	gloss	matte	gloss	matte	+	+		
Pentaclear® PVC	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	50-800	2000x2150	1600x3000	2000	1600	+	+			
Pentaclear® PETG	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaclear® GAG (GPETG)	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaclear® APET	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	150-700	1600x1600	1600x1600	1600	1600	+	+			
Pentaclear® TerraPET®	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	150-700	1600x1600	1600x1600	1600	1600	+	+			
Pentaclear® SmartCycle®	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaclear® PP	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	381-2032	650x1473	650x1473	1473	1473					
Pentaprint® PVC					+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++	++	50-800	2000x2150	1600x3000	2000	1600	+	+			
Pentaprint® PETG					+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++	++	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaprint® GAG (GPETG)					+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++	++	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaprint® APET					+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++	++	150-700	1600x1600	1600x1600	1600	1600	+	+			
Pentaprint® SmartCycle®					+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++	++	150-500	1600x1600	1600x1600	1600	1600	+	+			
Pentaprint® PP						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	381-2032	1320x1829	1320x1829	1320	1320					
Pentaprint® HDPE						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	330-2540	1320x1542	1320x1542	1320	1320					
Pentaprint® HIPS	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	254-2032	1524x3000	1524x3000	1524	1524	+	+			

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