

# POLYCARBONATE FILMS

Leading Brands. Unmatched Support.



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# POLYCARBONATE EXPERTISE >



Tekra's polycarbonate business is concentrated solely on film, ensuring levels of focused product specialization and technical expertise that no other company can match. Tekra has guided customers to the successful use of polycarbonate films in applications that include, automotive clusters; nameplates, labels and decals; medical packaging; tradeshow booths; membrane touch switches; point-of-purchase signage; and more.

Polycarbonate film excels in optical clarity, printability, impact strength and dimensional stability. It also offers high temperature resistance and superb workability for processes such as die-cutting, embossing and thermoforming. Polycarbonate film comes in a variety of surface textures including gloss, velvet, matte, suede, and even brushed. Special properties that can be manufactured into polycarbonate films include colors, enhanced weather resistance, flame retardance and chemical resistance.

# COMBINING CLARITY, HEAT STABILITY, AND EASE OF PROCESSING

Our range of Lexan\*, Valox\*, Ultem\* and HP polycarbonate films from SABIC Innovative Plastics deliver performance and versatility. These materials are characterized by outstanding optical clarity, mechanical strength and ease of processing. Top quality is available in a wide choice of standard and high performance grades, and a variety of surface finishes and textures.



## DISTRIBUTION PLUS! >

With multi-location inventory of polycarbonate films throughout North America, plus web-based logistical support, Tekra offers on-time deliveries, convenient ordering and competitive prices. Most important, however, is the professionalism of Tekra's sales, customer service and technical staff. Virtually every day, we guide customers to the ideal polycarbonate films for their needs.



## ADDING PERFORMANCE TO PC >

Our laminating, slitting, sheeting and power-cutting capabilities are unmatched – whether for large or smaller orders. Through our extensive manufacturing capabilities, Tekra applies coatings and adhesives to polycarbonate film to create unique, performance-enhanced products that solve difficult application problems. Tekra's proprietary Marnot™, ProTek™ and Terrapin™ hardcoated polycarbonate brands offer superior abrasion, scratch and chemical resistance. Our Dura-Go® and other polycarbonate-based films feature ink-receptive coatings for use on digital presses. And Tekra routinely laminates polycarbonate films with adhesives from 3M to meet specific customer requirements.

SABIC  
Innovative  
Plastics™

سابك  
sabic

Authorized Distributor

## COMPLEMENTARY PRODUCTS >

Tekra offers a one-stop shop for many popular plastic and adhesive products from the world's leading manufacturers. Tekra is North American Authorized Distributor for the polyester films of DuPont Teijin Films and an Authorized Converter and Distributor of 3M products.

## Clear Graphic and Optical Films

Lexan\* polycarbonate films are the preferred brand of the worldwide graphics industry. These films are characterized by outstanding optical clarity and mechanical strength, consistent printability, and ease of processing.

For customers needing a smooth, polished surface on both sides of a clear film, 8010 is the product of choice. Other Lexan\* films combine surface textures such as velvet, matte, suede or brushed. The most popular combinations include Velvet/Matte (8B35), Velvet/Fine Matte (8B35F), Velvet/Polished (8A35), Polished/Fine Matte (8A13F), Suede/Matte (8B36) and Brushed/Polished (8A37).

And if a UL rated product is required, customers may choose from a variety of films having a "V" suffix.

Item No.	Product Description
Lexan 8A13	Polished/Matte
Lexan 8A13F	Polished/Fine Matte
Lexan 8A13FV	Polished/Fine Matte, UL Rating
Lexan 8A13V	Polished/Matte, UL Rating
Lexan 8A35	Velvet/Polished
Lexan 8A35V	Velvet/Polished, UL Rating
Lexan 8A37	Brushed/Polished
Lexan 8B35	Velvet/Matte
Lexan 8B35F	Velvet/Fine Matte
Lexan 8B35FV	Velvet/Fine Matte, UL Rating
Lexan 8B35V	Velvet/Matte, UL Rating
Lexan 8B36	Suede/Matte
Lexan 8B36V	Suede/Matte, UL Rating
Lexan 8010	Polished/Polished, UV Stabilizers Added
Lexan 8010V	Polished/Polished, UV Stabilizers Added, UL Rating
Lexan 8030	Polished/Polished, UV-A & UV-B Blocking
Lexan 8030V	Polished/Polished, UV-A & UV-B Blocking, UL Rating
Lexan 8040	Polished/Polished, FDA/No UV Stabilizers Added
Lexan 00	Optical Quality
Lexan T2F	True 2 Form
Lexan T2F00	True 2 Form - Optical Quality

## Electrical and Electronic (FR) Films

Tekra offers the electronics and electrical industries a portfolio of film products founded on the highest quality polymer technology. Valox\*, Lexan\*, and Ultem\* films deliver innovative design solutions and high performance in harsh environments. From simple, flat barrier insulation to highly complex, three-dimensional EMI/RFI shielding, these films provide the right balance of flame retardant, electrical and thermal properties without secondary operations.

Lexan\* FR65 (Clear Velvet/Matte) and FR700 (Black Velvet/Fine Matte) are two of the most commonly used polycarbonate films in the electronics industry.

Item No.	Product Description
Lexan FR25A	Velvet/Polished, Multi-Colors
Lexan FR60	Polished/Polished, Clear
Lexan FR63	Matte/Polished, Clear
Lexan FR65	Velvet/Matte, Clear
Lexan FR66	Suede/Matte, Clear
Lexan FR83	Matte/Polished, Clear
Lexan FR700	Velvet/Fine Matte, Black
Lexan FR735A	Velvet/Polished, Black
Lexan EFR735	Velvet/Matte, Black, Halogen-Free
Ultem 1000B-.001-.002	Polyetherimide, Black
Ultem 1000B-.003-.020	Polyetherimide, Black
Ultem 1000B-.001-.002	Polyetherimide, Natural
Ultem 1000B-.003-.020	Polyetherimide, Natural
Ultem WH217-.007	Polyetherimide, White
Ultem WH217-.004	Polyetherimide, White
Valox FR1	Polybutylene Terephthalite



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## Specialty Films

Tekra has access to polycarbonate films in a wide variety of colors. Our color films are typically produced in the following texture combinations: Polished/Matte (8A23), Velvet/Matte (8B25) or Polished/Polished (8020).

The Lexan\* SD films are used for security documents (eg. ID cards). The clear, opaque white and clear laser markable films are available in a variety of gauges for security solutions.

The 8A73 film is a European-manufactured product with special light diffusion properties used in automotive applications. SABIC Innovative Plastics continues to develop unique film solutions for specialized needs.

Item No.	Product Description
Lexan 8A23	Polished/Matte, Colors
Lexan 8A73	Matte/Polished, Light diffusion
Lexan 8B25	Velvet/Matte, Colors
Lexan 8020	Polished/Polished, Colors
Lexan DM35	Velvet/Ultra Fine Matte, Overlamine
Lexan DM35A	Velvet/Polished, Overlamine
Lexan DMX-1HD00	Gloss surface, 1H Pencil Hardness
Lexan DMX-1HDA3	Matte surface, 1H Pencil Hardness
Lexan GS133	Velvet/Matte, Weatherable
Lexan SD8B14	Clear, Security documents
Lexan SD8B24	Opaque white, Security documents
Lexan SD8B94	Clear laser markable, Security documents

## High Performance Films

Lexan\* high performance films offer exceptional resistance to attack by chemicals and to abrasion, making them good candidates for a wide range of applications. These include flat membrane switch overlays for microwave ovens, lenses for cell phones and other handheld devices, anti-reflective computer screens and display windows for audio/video equipment, labels for washing machines and anti-fog lenses for goggles, eyewear and gauges.

Lexan\* HP products use polycarbonate film as their base substrate. One side of the film has a protective coating, while the other side is polycarbonate with its normal processing capabilities. HP films are available in a range of gloss levels, typically from 92 gloss (high gloss) to 12 gloss (low gloss). HP92S, with its clarity and protective coating, is the industry-standard high-gloss film used by many printers. Another popular item is the HP12W (weatherable), a low-gloss film with a protective coating for UV resistance.

Item No.	Product Description
Lexan HP92AF	Anti-Fog/Hardcoat
Lexan HP92X	Weatherable, First Surface Printable
Lexan HPFAF	Anti-Fog
Lexan HPFDF	Anti-Fog/Adhesive
Lexan HPXXH*	Higher Chemical/Abrasion, 92, 60, 40, 12
Lexan HPXXS*	Standard Hardcoat, 92, 60, 40, 12 Gloss
Lexan HPXXW*	Weatherable Hardcoat, 92, 12 Gloss
Lexan 0092S	Optical Film, 92 Gloss

\* "X" in item numbers is a placeholder for gloss level designation.



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Tekra's facility in New Berlin, Wisconsin houses two state-of-the-art coaters operating in white room and Class 10,000 clean room environments. By using our coatings, customers find they can frequently do more with plastic than they ever thought possible – whether it's a print receptive coating, a functional coating or a coating to enhance product appearance.



Tekra Corporation is a leading manufacturer of proprietary hardcoated and print-receptive plastic films, as well as a full-capability plastic film converter. Through its alliance partners DuPont Teijin Films, 3M and SABIC Innovative Plastics, Tekra provides a complete range of plastic films and adhesives to printers and manufacturers worldwide.

Hardcoated polycarbonate and polyester films  
 Digital films for HP Indigo and toner based presses  
 Adhesives (3M)  
 Polyester films (DuPont Teijin Films)  
 Polycarbonate films (SABIC Innovative Plastics)  
 Rigid vinyl  
 Styrene  
 Label stock  
 Masking  
 Banner materials (Tyvek®)  
 Conductive inks (DuPont Microcircuit Materials)  
 Other plastic films available  
 Custom coatings for your application

**FOR MORE INFORMATION:**

**800-448-3572**

[www.tekra.com](http://www.tekra.com)

ISO 9001:2000 Certified

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 Plastics™

سابك  
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Authorized Distributor

**3M** Preferred  
 Converter  
*Preferred*

 DuPont Teijin Films™

North American Authorized Distributor  
 Exclusive Distributor to the North American  
 Medical Diagnostics Market



**HEADQUARTERS LOCATION**

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**BRANCH LOCATIONS**

Charlotte, NC  
 Orange, CA

**Additional Shipping Point**

Franklin, MA

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