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PLEXIGLAS® Films for Traffic Control Materials

Agenda

PLEXIGLAS® Films for Traffic Control Materials

- Market Trends, Customer Needs and Our Solution
- Product Matrix

Applications and Product Overview

- Product Portfolio
- Commercial Information



PLEXIGLAS® Films

Excellent solution for Traffic Control Materials

MARKET TRENDS / CUSTOMER NEEDS
TECHNICAL AND QUALITY ASPECTS

MARKET TREND	OUR SOLUTION
Excellent Optical Properties	Outstanding **transparency and color brilliance** **High quality** laminates can also be achieved using PLEXIGLAS® TCM Film and other polymeric substrates such as PET, PC and PVC, with the help of pressure sensitive adhesives (PSA) or solvent based adhesives
Signal Colors	Tailor-made colors according to **international standards** such as EN 12899-1, DIN 6171-1, ASTM D4956, GB/T 18833, GOST R 52290, and SANS 5549
Weather and UV Resistance	UV protection with up to 10 years of standard outdoor durability; **resistant to yellowing and fading**
Printability	Suitable for **digital and gravure printing**
High Compatibility with Reflective Systems	Suitable for use with: **Glass bead reflection systems** (e.g., construction site signage), **Prismatic reflective films** (e.g., road and highway signs)
Flexible Processing Options	good behavior in **all printing technologies** such as gravure, flexography and digital printing, any pre-treatment or primers are not required
Sustainable Material	PMMA is **long-lasting and recyclable**, offering an environmentally friendly alternative to PVC-based films

MARKET TRENDS / CUSTOMER NEEDS
PORTFOLIO AND SERVICE ASPECTS

MARKET TREND	OUR SOLUTION
Flexibility in size	PLEXIGLAS® films can be cut-to-size or die cut guarantee best flexibility
Technical support	Long-year experience in producing PLEXIGLAS® clear and colored films, guarantees best technical support
Flexibility for needs; product development	Production facilities in combination with excellent experience allow support and development of new projects

PRODUCT MATRIX

Benefits

- Outstanding transparency and color brilliance
- UV resistance with up to 10 years' durability
- Wide color range
- Made from impact-modified PMMA for high strength and durability
- Compatible with both glass bead and prismatic reflective systems
- Ideal for digital and gravure printing and customized signage

	PLEXIGLAS® film grades							
	0F014 0F016 0F072 0F096 0F097	1F006 1F011*	2F005 2F006*	3F005	5F008 5F011*	6F004 6F006*	8F003	9F002
Description / colour	colorless	yellow	orange	red	blue	green	brown	black
Thickness / distribution	75 µm	75 µm	75 µm	75 µm	75 µm	75 µm	75 µm	75 µm
Production width	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm
Mono / multilayer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film
UV protection	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)
Main layer	Impact modified PMMA + UV MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB

* new grades

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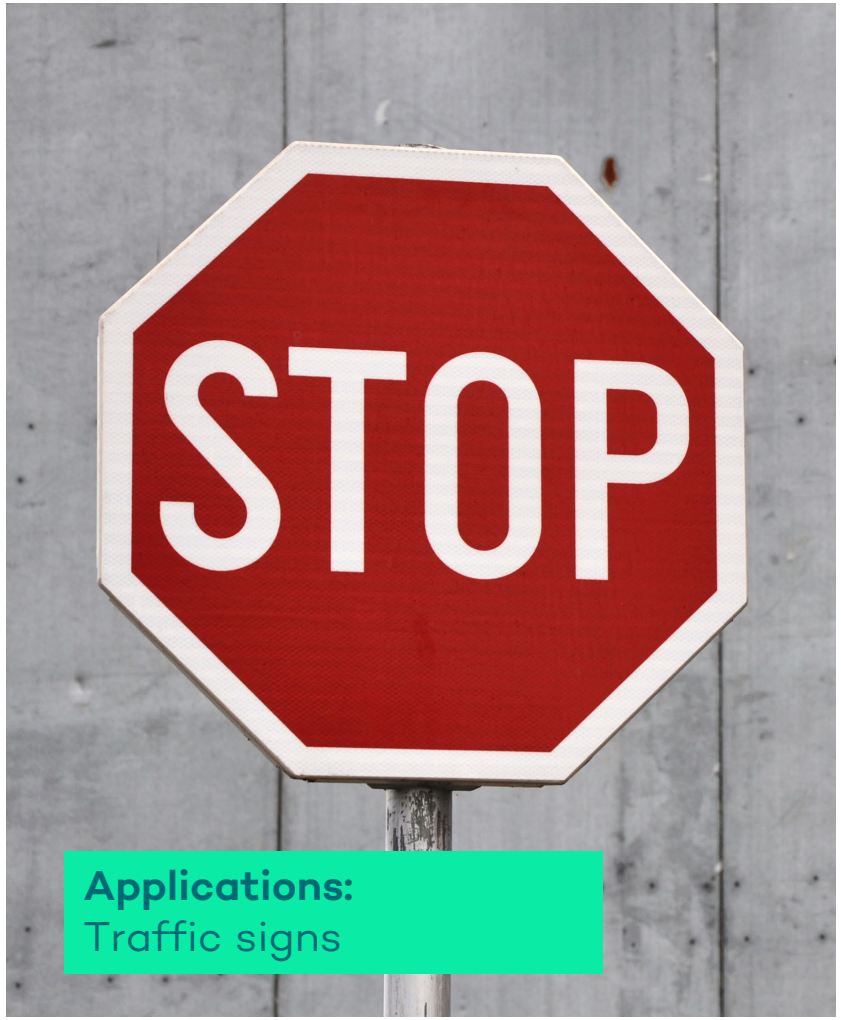
PLEXIGLAS® Films Applications and Product Matrix

TRAFFIC CONTROL MATERIAL (TCM)
APPLICATIONS



Applications:
Traffic signs



TRAFFIC CONTROL MATERIAL (TCM)
APPLICATIONS



TRAFFIC CONTROL MATERIAL (TCM)
APPLICATIONS





TRAFFIC CONTROL MATERIAL (TCM)
APPLICATIONS



TRAFFIC CONTROL MATERIAL (TCM)
APPLICATIONS





Applications:
Reflective sign on special vehicle

PRODUCT OVERVIEW
COLORED FILMS

	PLEXIGLAS® Film 1F004, 1F006	PLEXIGLAS® Film 2F005, 2F006	PLEXIGLAS® Film 3F005	PLEXIGLAS® Film 5F008, 5F011	PLEXIGLAS® Film 6F004, 6F006	PLEXIGLAS® Film 8F003	PLEXIGLAS® Film 9F002
Description / color	yellow	orange	red	blue	green	brown	black
Thickness / distribution	75 µm	75 µm	75 µm	75 µm	75 µm	75 µm	75 µm
Production width	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm
Mono / multilayer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film
UV protection	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)
Main layer	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB	Impact modified PMMA + UV + color MB

PRODUCT OVERVIEW
COLORLESS FILMS

	PLEXIGLAS® Film 0F014	PLEXIGLAS® Film 0F016	PLEXIGLAS® Film 0F072	PLEXIGLAS® Film 0F096	PLEXIGLAS® Film 0F097
Description / color	High impact modified PMMA + low UV MB	Impact modified PMMA + middle UV MB	Impact modified PMMA + middle UV MB + good winding quality	Very high Impact modified PMMA + middle UV MB	Impact modified PMMA + middle UV MB
Thickness / distribution	75 µm	75 µm	75 µm	75 µm	75 µm
Production width	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm	Up to 1270 mm
Mono / multilayer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film	Mono layer film
UV protection	Standard (8 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)	Standard (10 years)
Haze	< 1%	< 1%	2.6	4.5	3
Stress whitening	No	No	Yes	Yes	Yes

SUPPORT AND CONTACT PERSON

Please scan the QR code to connect our commercial and technical support worldwide.



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