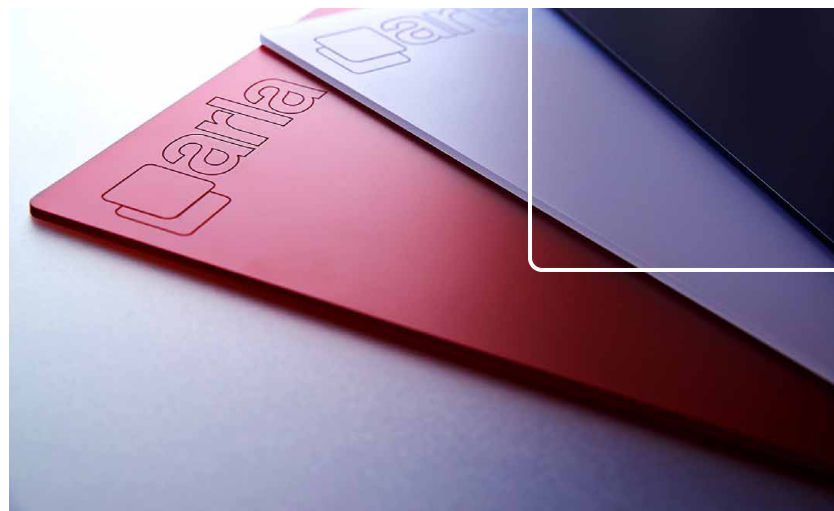
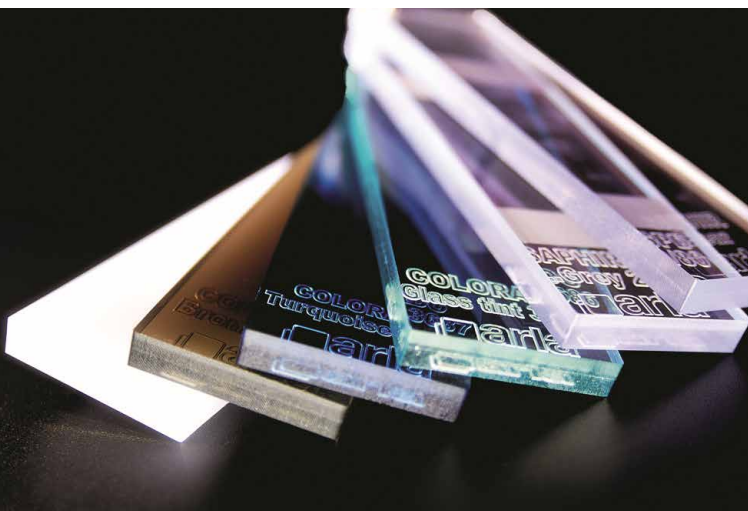




Plastic sheets for your needs

ARLA PLAST COMPANY PRESENTATION



Welcome to Arla Plast!

We are a Swedish supplier of high-quality plastic sheets. We will do our utmost to fulfil your specific requirements.



Arne Larsson

In 1969, Arla Plast was founded in Borensberg (Sweden) by Arne and Göran Larsson (where the name Arla Plast originates). In 1974 first extrusion machine was installed to produce plastic sheets in ABS. Arla Plast started producing Polycarbonate sheets with a significant amount of recycled material in 1977. The company's expansion in the 1980's added new machines. Arla Plast became early user of co-extrusion technology for transparent sheets used in UV-resistant/protection of sheets. In 1993, Kenneth Synnersten, Arne Larsson's son, takes over Arla Plast and becomes the company's owner and CEO. The 1990's major expansion in European market began with investments production and recycling programme for materials. The company from 2000 onwards produced Polycarbonate sheets for suitcases, including various colours and effects such as metallic.

In 2006, the production facility in Kadaň, Czech Republic was inaugurated where Arla Plast starts producing Multiwall Polycarbonate. Around 2009, Arla Plast developed the sales of high-quality optical sheets used for bulletproof car glazing. The company's third production facility was built on a greenfield site and opened in 2012 in Pelhřimov, Czech Republic. Arla Plast started developed PC/ABS sheets which met stricter fire classification of the standard ECE R118 in 2018. In 2021 the Arla Plast share was listed at Nasdaq Stockholm. Most recently in 2022 Arla Plast acquired all the shares in Alphaplex GmbH in Germany, the first acquisition in the company's history.

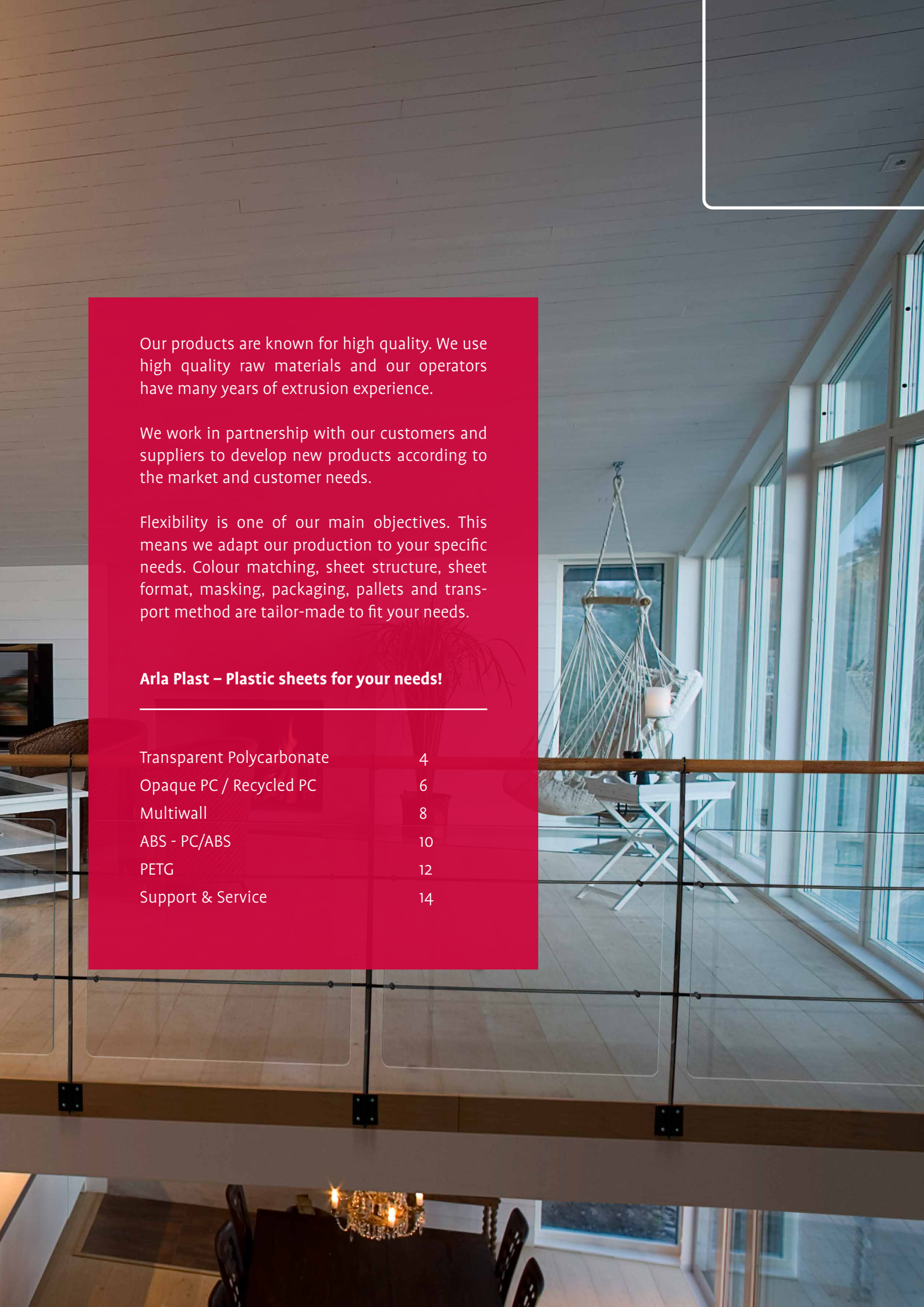
Our products are known for high quality. We use high quality raw materials and our operators have many years of extrusion experience.

We work in partnership with our customers and suppliers to develop new products according to the market and customer needs.

Flexibility is one of our main objectives. This means we adapt our production to your specific needs. Colour matching, sheet structure, sheet format, masking, packaging, pallets and transport method are tailor-made to fit your needs.

Arla Plast – Plastic sheets for your needs!

Transparent Polycarbonate	4
Opaque PC / Recycled PC	6
Multiwall	8
ABS - PC/ABS	10
PETG	12
Support & Service	14



Transparent polycarbonate sheets

A virtually unbreakable material for the toughest environments

Transparent polycarbonate (PC) has high clarity and good optical performance for applications where good visibility is important. It also has excellent temperature performance and good fire properties; the material is even self-extinguishing. Transparent PC is well suited for thermoforming or machining. Arla Plast has a wide portfolio of transparent PC sheets.

Our transparent PC is available in different optical qualities, colours, frost, light transmission and with different surface structures. We also have a solar control version that helps to reduce temperature by letting the light pass but keeping the UV-radiation out. Special resins are used when FA (food approval) or FR (flame retardant) characteristics are needed. Most products can be chosen with a protecting UV-layer on top.

PRODUCT RANGE TRANSPARENT POLYCARBONATE

POLYCARBONATE CLEAR – standard PC sheets for general purpose applications.

POLYCARBONATE CLEAR SQ – selected high quality PC sheet.

POLYCARBONATE CLEAR UV – standard PC sheets with UV protection. 10 years warranty.

POLYCARBONATE CLEAR AR – standard polycarbonate sheet with a matt textured surface preventing reflection.

POLYCARBONATE CLEAR FR – flame retardant PC sheets UL94 V0.

POLYCARBONATE CLEAR FA – complies with food contact regulations.

POLYCARBONATE CLEAR HC – standard PC sheet with hard coating.

POLYCARBONATE COLOURED – coloured PC sheets.

POLYCARBONATE COLOURED UV – coloured PC sheets with UV protection.

POLYCARBONATE COLOURED UV-SC – solar control coloured PC with heat reducing properties for outdoor use.

POLYCARBONATE COLOURED LED – coloured polycarbonate sheet for LED lighting applications.

POLYCARBONATE COLOURED LED UV – coloured polycarbonate sheet for LED lighting applications for outdoor use.

POLYCARBONATE COLOURED FI-01 – coloured PC sheets for welding screens in robotic welding areas.

POLYCARBONATE SAPHIR® HC – high quality PC sheets with hard coating.

POLYCARBONATE SAPHIR® FLEX – selected quality PC with a flexible hard coating for curved applications.

POLYCARBONATE SAPHIR® FC – PC sheet with a formable hard coating for visor applications.

POLYCARBONATE SAPHIR® AF – PC sheet with Anti-fog coating.

POLYCARBONATE SAPHIR® AS – PC sheet with antistatic coating for protection against electrostatic charging.

POLYCARBONATE SAPHIR® SPD – screen printed and hard coated PC sheet.

POLYCARBONATE SAPHIR® COLOURED HC – coloured PC sheet with hard coating.

POLYCARBONATE SAPHIR® HC-1S – highest quality PC with 1-side hard coating, suitable for lamination with glass.

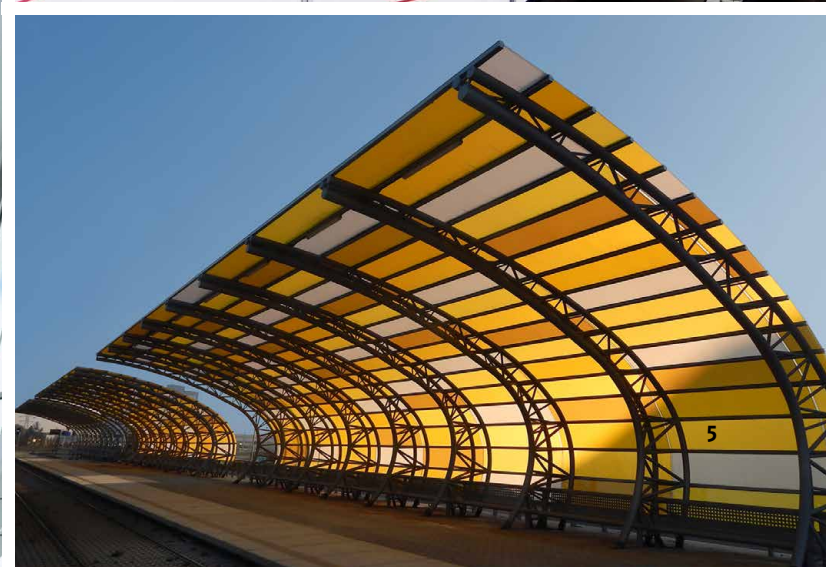
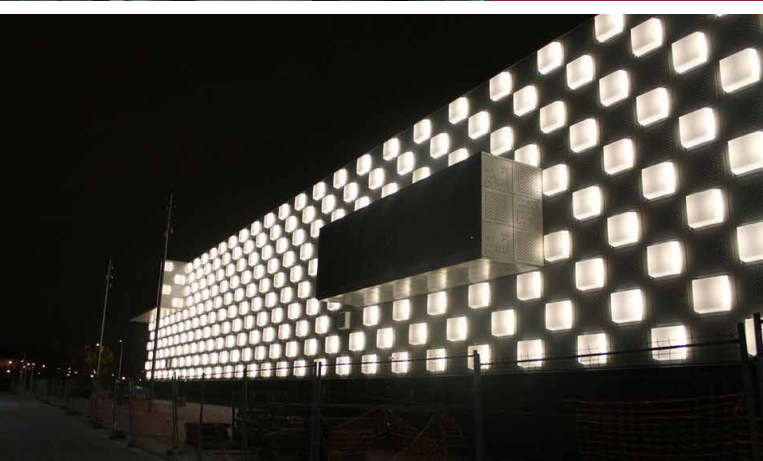
POLYCARBONATE COLOURED



APPLICATIONS FOR TRANSPARENT POLYCARBONATE

Transparent PC sheets are used in a wide variety of applications where unbreakable solutions are required.

Examples: Soundwall to reduce traffic noise, ice hockey rinks, machine protection, windows, roof lights and roofing solutions, luminaires, pool covers, signs, ski lift bubbles, visors.



Opaque polycarbonate sheets

Well suited for thermoforming, bending or machining

Opaque polycarbonate is a virtually unbreakable material for the toughest environments. It has superior impact resistance and a wide temperature range. It also has better fire properties; the material is even self-extinguishing. Opaque PC is well suited for thermoforming, bending or machining. Arla Plast offers opaque polycarbonate sheets – POLYCARBONATE OPAQUE ATECH™ 7000.

POLYCARBONATE OPAQUE ATECH™ 7000 is available with different surface structures and in all possible colours. We are experienced in extrusion of standard glossy colours, metallic colours as well as matt colours. Dual colours are also available thanks to coextrusion of two different colour layers. POLYCARBONATE OPAQUE ATECH™ 7000 can be chosen with or without stripes (for camera/robot identification). Many products can be chosen with a protecting UV-layer on top.

PRODUCT RANGE OPAQUE POLYCARBONATE

POLYCARBONATE OPAQUE ATECH 7000 – opaque PC sheets for colourful, unbreakable solutions.

POLYCARBONATE OPAQUE ATECH 7003 – one side UV protected sheet for outdoor application (available as two sided).

POLYCARBONATE OPAQUE ATECH 7100 – with a matt surface.

POLYCARBONATE OPAQUE ATECH 7000 FA – complies with food contact regulations.

POLYCARBONATE OPAQUE ATECH 7000 FR – flame retardant UL94 V0.

POLYCARBONATE OPAQUE ATECH 7003 STR – „for camera/robot identification“.



POLYCARBONATE OPAQUE ATECH 7000



APPLICATION AREAS FOR OPAQUE POLYCARBONATE

The sheets are used in a wide variety of applications where unbreakable solutions are required.

Examples:

Suitcases where a combination of strength and low weight is needed, wall cladding for heavy duty environments such as hospitals or public environments, machine covers, containers, agricultural equipment, automotive, signage.

APPLICATIONS RECYCLED POLYCARBONATE

The sheets are used in a wide variety of applications:

Examples:

Trays for efficient parts handling at automotive assembly lines, packaging solutions, wall cladding, protection sheets, containers, thermoformed machine covers, solar panel covers.



Multiwall polycarbonate sheets

High impact strength and high light transmission combined with good insulation values

Multiwall is a lightweight sheet with a cellular structure. The construction offers high impact strength and high light transmission combined with good insulation values. Arla Plast offers multiwall polycarbonate sheets with maximum impact strength – MULTICLEAR®.

MULTICLEAR® is available in different thicknesses, cellular structures and in a choice of colours. Besides the smooth surface structure, HAMMER FINISH can be chosen. HAMMER FINISH has a special aesthetic appearance produced by creating a textured surface.

MULTICLEAR® is also available in a solar control version that helps to reduce temperature by letting the light pass but keeping the IR-radiation out. Our products general have good insulation capability and all come with 10 years warranty.

PRODUCT RANGE MULTIWALL

MULTICLEAR® BOX 2 WALL – standard box structure.

MULTICLEAR® BOX 3 WALL – triple wall box structure.

MULTICLEAR® STRONG 6 WALL – six wall structure with low U-value and increased stiffness.

MULTICLEAR® BOX 7 WALL – seven-layer structure.

MULTICLEAR® 5X – five wall sheet with cross structure.

MULTICLEAR® 11 WALL – eleven wall structure with excellent thermal insulation and lower weight.

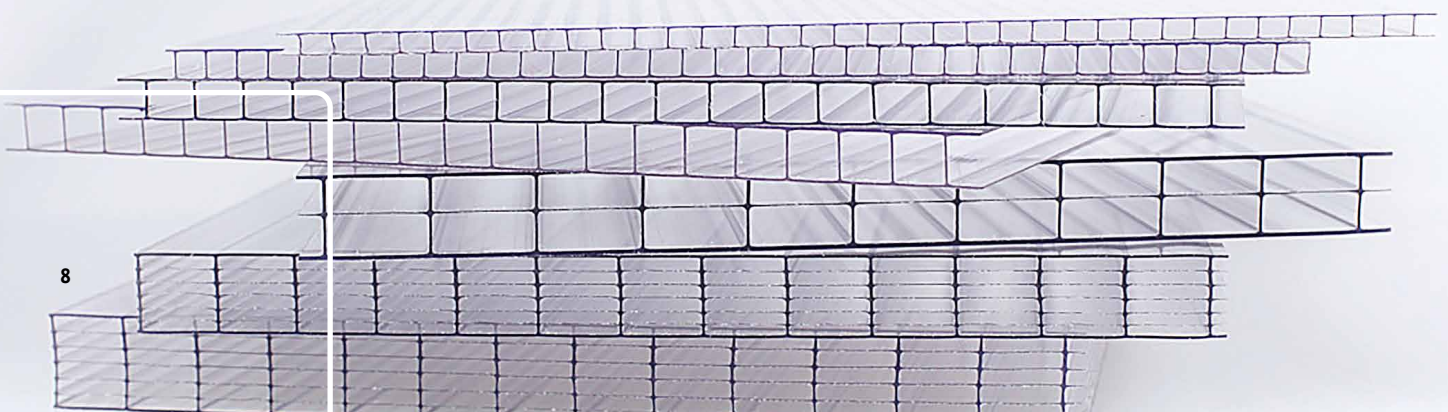
MULTICLEAR® RPC – multiwall sheet primarily based on regrind.

All types are also available as

ULTRA – extra high or low weight and high light transmission.

HAMMER FINISH – special product with aesthetic appearance produced by creating a texture in the inner surface.

SOLAR CONTROL – multiwall sheet that allows the light transmission whilst stopping the heat building up.

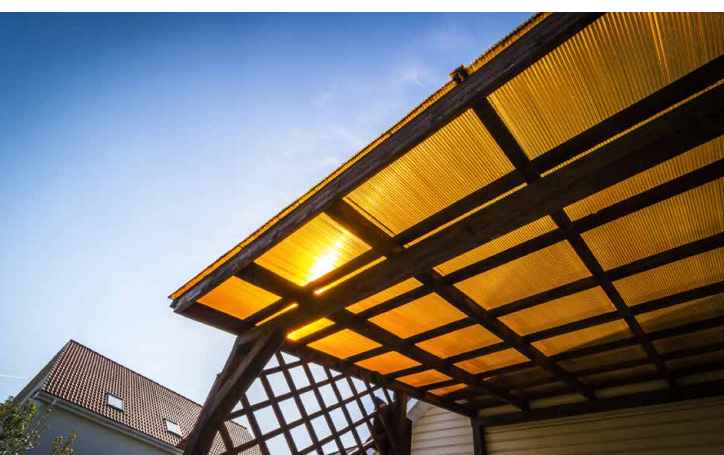




APPLICATIONS MULTIWALL

The sheets are used in a wide variety of applications not only in building applications.

Examples: Roofing for industrial buildings or shopping galleries, sky lights, covered walk ways, wall cladding, pool covers, green houses, lightweight roof solution for terraces, carports, sport arena roofing, protective covers, big-size signage and advertising panels, illuminated wall cladding using multicoloured LED's. The Arla Plast office (front page) is cladded with MULTICLEAR®.



ABS - PC/ABS

Easy to thermoform and fabricate

ABS is a material with high impact strength. ABS also has impressive thermal qualities and is easy to thermoform and fabricate. This makes ABS a very popular material amongst thermoformers. Arla Plast offers a wide range of ABS based products – ATECH.

We have a selection of popular structures and long experience in colour matching and co-extrusion of dual colours. Different top layers are available such as: PMMA (matt or glossy), Matt ABS, ASA (matt or semi-gloss). Stripes can be applied for optical identification in packaging. All products can be chosen with an extra UV stabilizer to improve weather resistance.

Recycling is an important part of the ABS business. Arla Plast can offer all possibilities in this field. Our total recycling concept, covering all types of ABS will help you minimize the material cost at the same time as reducing the environmental impact. Thanks to our advanced technology and long experience in recycling, off-cuts from ATECH sheets can be reused in new sheets.

PC/ABS is a modern solution for demanding thermoforming applications. PC/ABS offers good impact strength and a wider working temperature range with better fire performance than ABS.

Arla Plast offers PC/ABS – ATECH 5100 (50/50) or (70/30) with or without UV stability. Matt ABS surface optional on one or both sides. Different colours and different surface structures can be chosen. Arla Plast also offers a PC/ABS based product that fulfils the ECE R118.03 for interiors in buses, ATECH 5103.02-R118-7-8.

PRODUCT RANGE OF SUPER HIGH IMPACT ABS AND PC/ABS

ATECH 2000R – ABS recycled.

ATECH 2100R – ABS recycled with a matt surface layer.

ATECH 3000 – with a semi-gloss surface layer that thermoforms quickly.

ATECH 3100 – with matt surface layer that remains matt also after thermoforming.

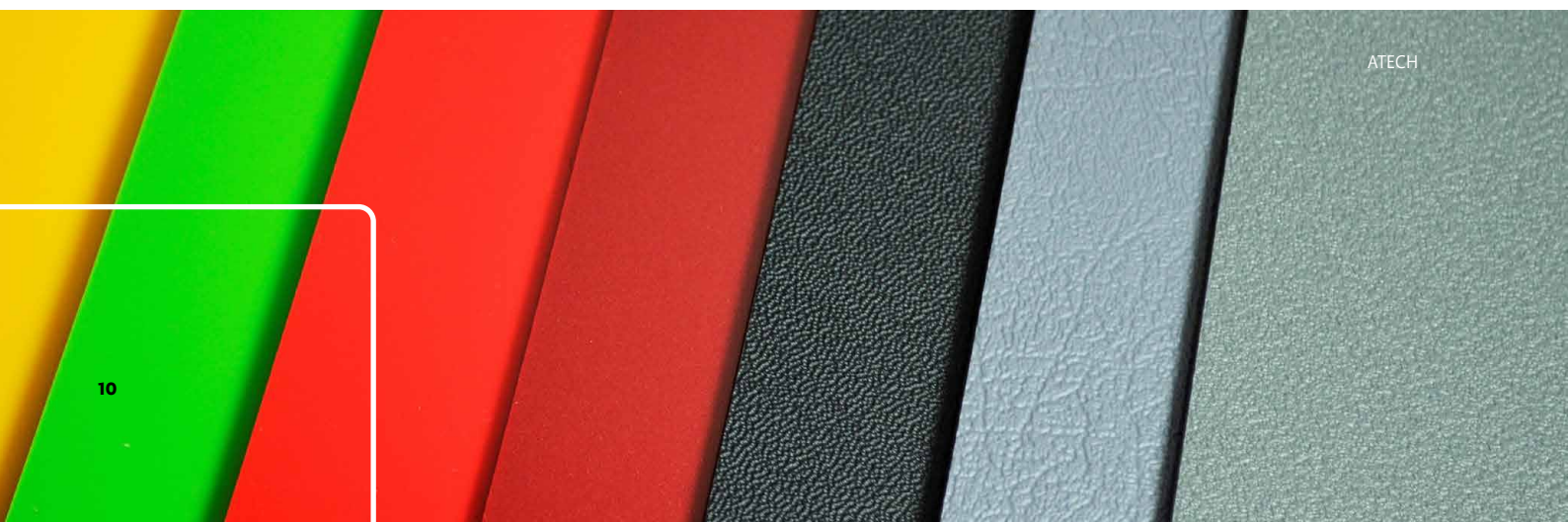
ATECH 3200 – with a surface layer of high-gloss PMMA.

ATECH 3300 – with a matt or semi-gloss surface layer of ASA material.

ATECH 3400 – with a matt coloured PMMA surface layer.

ATECH 5100 – PC/ABS with a matt ABS surface layer.

ATECH 5103.02-R118-7-8 – PC/ABS with matt UV stabilized ABS surface layer, is homologated to ECE R118.03.





APPLICATIONS ABS - PC/ABS

Examples: Machine covers, interior automotive parts, ski boxes, demanding exterior automotive parts, tough industrial applications, advertising, building and construction, thermoformed covers.



Transparent and opaque PETG sheets

Easy to fabricate and thermoform without pre-drying. PETG is easy to fabricate and thermoform without pre-drying, hence faster cycle times and hence cost savings can be achieved. Thermoforming and bending can be done with great accuracy and with maintained visual clarity.

Arla Plast offers **PETG high impact transparent sheets – GRIPHEN®**. Besides transparent sheets, GRIPHEN® can be chosen in a wide range of colours and the unique frosty (satin) look. UV protection is available for most products. GRIPHEN® as a standard product is food approved.

We also offer **PETG high impact opaque sheets – GRIPHTECH®**. GRIPHTECH® is an opaque coloured co-polyester sheet which combines extremely good fabrication and thermo-forming properties with good impact strength. The product has good fire performance, it is self-extinguishable and has low smoke generation during a fire.

We are experienced in extrusion of standard glossy colours as well as matt colours. Most products can be chosen with a UV-protection.

PRODUCT RANGE PETG TRANSPARENT

GRIPHEN® – standard transparent PETG sheet.

GRIPHEN® UV – Griphen for outdoor use.

GRIPHEN® COLOUR – PETG sheets in a wide range of transparent colours and an opal range.

GRIPHEN® COLOUR UV – Griphen Colour for outdoor use.

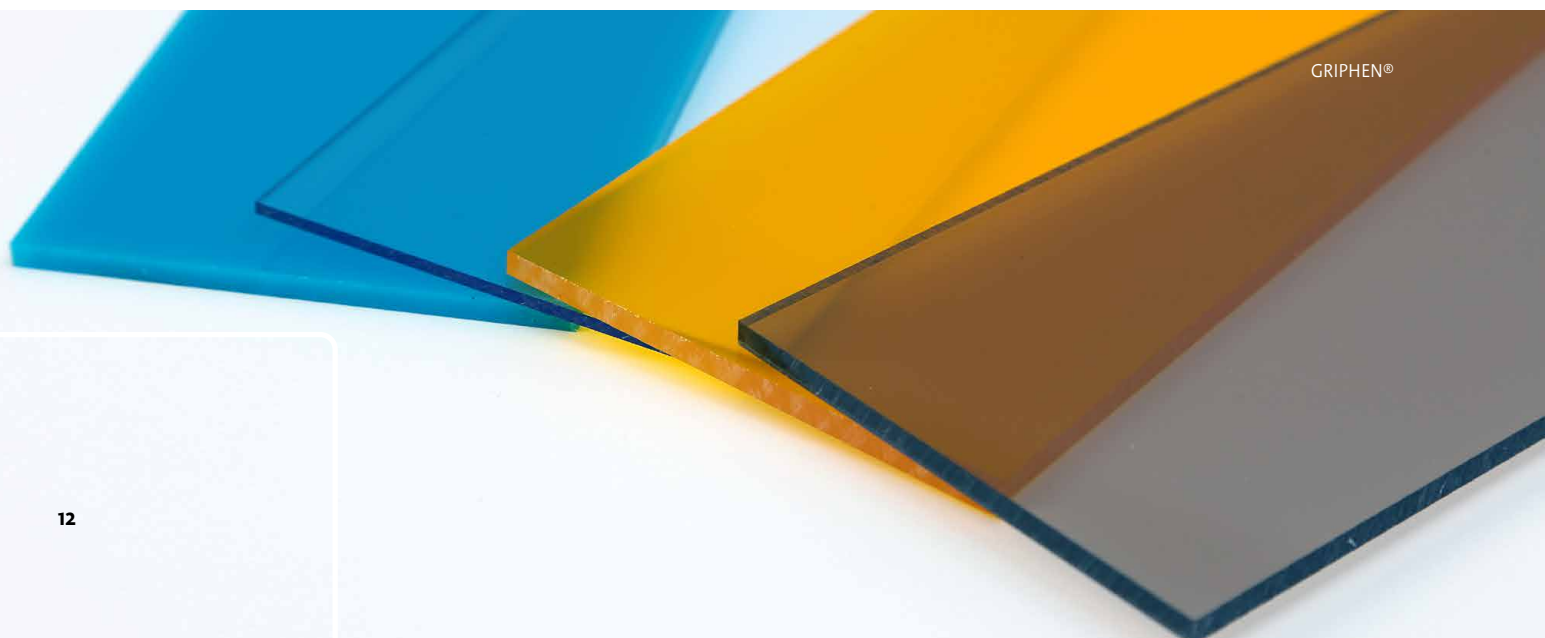
GRIPHEN® FROST – anti-reflex frosty surface.

PRODUCT RANGE PETG OPAQUE

GRIPHTECH® – standard opaque PETG sheet.

GRIPHTECH® UV – Griphitech for outdoor use.

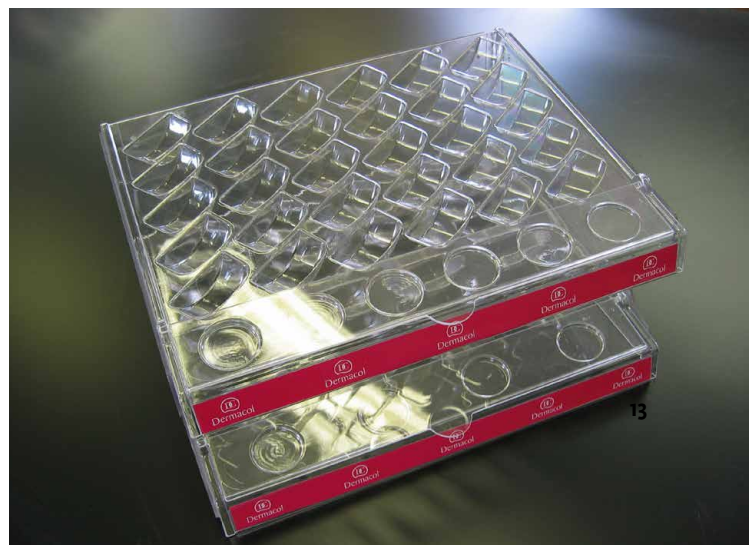
GRIPHTECH® FROST – for a frosty cool look.



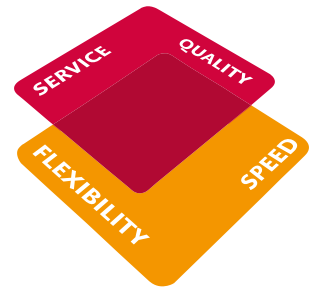


APPLICATIONS TRANSPARENT AND OPAQUE PETG

Examples: Indoor and outdoor signs, shelving and racking systems, food displays / bin / dividers, exhibition boxes, point of sale interior, thermoformed covers, vending machine faces, ski lifts, industrial equipment, machine covers and many different kinds of technical parts.



Our cornerstones



When choosing Arla Plast you can expect:

- Products and personal service of highest quality.
- We are flexible. We adapt our production to your needs in terms of format, masking, packaging, pallets or way of delivery. Our minimum order quantities are competitive, and we are flexible to support individual needs.
- Quick decisions, quick deliveries. Standard stock items are shipped the same or next working days.
- Find your colour. We help you match the right colour tone with reliability.
- We support you. Our experienced technicians give technical support on how to use our products. If you want to make any changes to your order, our friendly order team is keen to help you.



Additional services

Arla Plast can offer several additional services in order to save costs in later operations.





At Arla Plast we have developed and fine-tuned the extrusion techniques for plastic sheets since the '60s. We have developed the professional knowledge over many years, the machinery resources, the feel for quality and the willingness to always do a good job. Our experience ensures that you receive a product which satisfies your needs.

Good product quality is our primary target to be a good supplier, but this is not enough. Thanks to the cooperation with our customers and suppliers we have learnt the meaning of high flexibility, delivery precision and good service in order to build trust and long-term relations.

Arla Plast cares about the environment. In our production we mainly use energy from renewable resources to power our modern machines. Sustainability is a natural part of our operations that is beneficial for the economy as well as for the environment.

Today Arla Plast is one of the leading extruders of plastic sheets in Europe. Every day we strive for becoming better by developing new products, new quality specifications and taking care by lowering our environmental impact. All in order to become and to remain your best long-term partner.



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