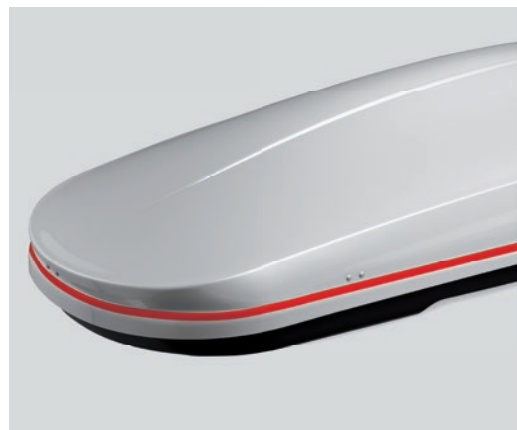
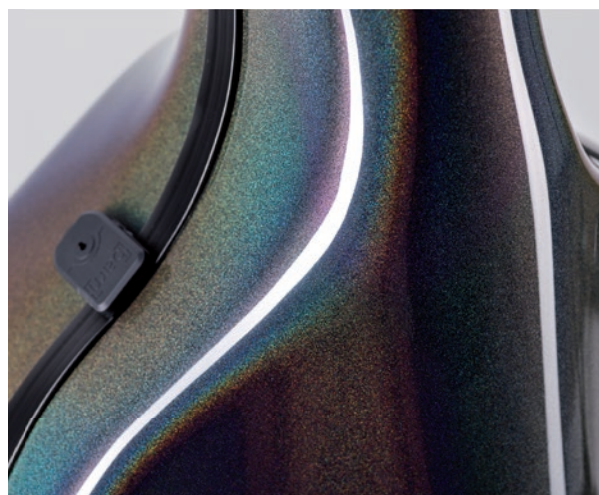




# TRAVEL & LEISURE

SENOSAN®





Valigeria Roncato SPA

## **senosan®** – Unlimited possibilities!

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Senoplast offers a wide range of applications in the area of travel and leisure. The emphasis is on development and marketing of high value plastic sheets for applications in the roof box and suitcase industry.

Due to constant product innovations over the course of recent years, Senoplast has established itself as quality and market leader in this branch.

The brand name **senosan®** is a synonym for highest quality and customer-made solutions – the sheets produced by Senoplast captivate by outstanding design and innovation!

## **The Green Spirit**

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Almost all **senosan®** products are 100% recyclable. For many customers, the re-use of regrind is an environmentally friendly and economical alternative. Edge sections and milling waste, which remain after the thermoforming process, can be granulated and recycled. It should be taken care to clearly separate regrind of different raw materials like ABS, ABS/ASA or ABS/PMMA from each other.

Senoplast can use part of the regrind in new products, e.g. in sheets for base parts or lids with grained surface. The addition of regrind in the production process is controlled in compliance with strict quality criteria, so that the products meet the requirements of ISO/PAS 11154 in terms of mechanics, optics and UV resistance. Senoplast will be glad to submit a corresponding offer on customer's request.



## SENOSAN® for roof boxes

For the large industry of transport and roof boxes, Senoplast has developed special ABS plastic composites with PMMA or ASA surfaces which meet the high requirements in the international automotive industry.

Different tailor-made qualities with special mechanical properties and increased UV resistance set new benchmarks in respect of strength and durability.

The end products are regularly subjected to various toughness tests by international automobile clubs. Also in the well-known "City Crash Test" according to ISO/PAS 11154, **senosan®** materials were proven to meet the high demands of the automotive industry without objection.



- » Excellent surface quality and mechanical data
- » High UV resistance
- » Great variety of colors, surfaces and embossings
- » Specific product modification on customer request
- » Problem-free handling in the thermoforming process
- » Certified to ISO/PAS 11154

ADVANTAGES



## SENOSAN® Products for roof boxes

Product group	Quality
AM50 SOLAR EG composites	Co-extruded and colored ABS/PMMA multi-layer composites have been used successfully for years for the most varying applications in external use. They are characterized by their high gloss surface (Class A) and are also available with a "supermatt" surface in various solid, intensive or metallic colors. On special request available with different surface structures and embossings.
AM50CI EG AM50CI BASIC EG	
AS50/55U EG AS50/55U BASIC EG	Co-extruded and colored ABS/ASA multi-layer composites with machine smooth or embossed surface. AS composites are characterized by their good UV stability and high chemical resistance. Different product modifications are available on customer request.
A50U MATT EG A50U SUPERMATT EG	Co-extruded ABS sheets with a UV stabilized surface – available in matt or supermatt. These composite sheets are used, among others, for the base sheets of roof boxes as they are not subjected to any severe weathering influences.

## senosan® for suitcases

Since several years, a clear trend towards weight reduction has been recognized within the luggage industry. Whereas previously a suitcase may weigh up to 7 kg (injection molded PP case), nowadays this is inconceivable. Through the great rise in discount airlines and their clearly stricter rules in respect of luggage weight, passengers prefer to use a case weighing as little as possible.

Here the **senosan®** products C100C and C100CM find their custom-made application area. Due to their extremely high impact strength, these co-extruded PC sheets offer customers the possibility of using very thin sheets for suitcases – and by doing this, reducing the case weight significantly. Also cases in other areas of application, for example musical instruments, laptops or tools, can be manufactured from **senosan®**. Depending on their requirements, customers use ABS, ABS/PMMA, ABS/PC blend or PC sheets.



Titan Hamburg GmbH



Valigeria Roncato SPA

- » Constant high quality
- » The in-house color competence center guarantees a unique color variety as well as color constancy
- » Excellent surface quality
- » Specific product modification on customer request
- » Problem-free handling in the thermoforming process
- » With PC: weight reduction of up to 50 % compared to other materials

**ADVANTAGES**

## senosan® Products for suitcase manufacturers

Product group	Quality
C100C	Co-extruded and colored polycarbonate multi-layer composites in solid colors are used for the production of thin-wall – and therefore lightweight – hard shell suitcases. Due to extremely high impact strength, an extremely robust case shell can be produced by using very thin sheets. Available in many solid colors and various embossings.
C100CM	Co-extruded and colored polycarbonate multi-layer composites in metallic colors. By means of specially developed coloration techniques, sheets in high gloss, brilliant colors, which meet high impact strength requirements can be produced. Also available with different embossings.
A50U MATT EG	Co-extruded high impact ABS sheets which are used for “special cases” but not for flight applications. Offered in different embossings and colors.
A50HI EG	Co-extruded ABS sheets with extraordinarily high impact strength for special requirements. Available in various surface gloss grades and embossings.
C100 MATT	Co-extruded and colored polycarbonate multi-layer composites in matt showing a very good impact strength. This product is used by leading European suitcase manufacturers.
C100M MATT	Co-extruded and colored polycarbonate multi-layer-composites in matt metallic colors. By means of specially developed coloration techniques sheets in matt metallic colors meeting high impact strength requirements can be produced.

The technical data stated in the brochure has been developed by Senoplast Klepsch & Co. GmbH to the best of its knowledge and belief and is based on the current knowledge and experience of Senoplast. The data are non-binding and do not represent a material specification or an assurance of certain properties. The buyer is not exempt from subjecting the products to their own tests and checking the suitability for the respective application. Senoplast does not assume any liability for that. These instructions are expressly subject to change. An indemnification of the buyer or of third parties in the case of claims by third parties due to the infringement of property rights is not granted either directly or indirectly.

# SENOPLAST

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