



AUTOMOTIVE & COMMERCIAL VEHICLES

senosan[®]



Applications for the mobile world of tomorrow

Senoplast produces high performance plastic sheets and films under the brand names of **senosan®** and **senotop®** for thermoforming applications in automotive, commercial vehicle and other related industries.

Product development according to customer specifications

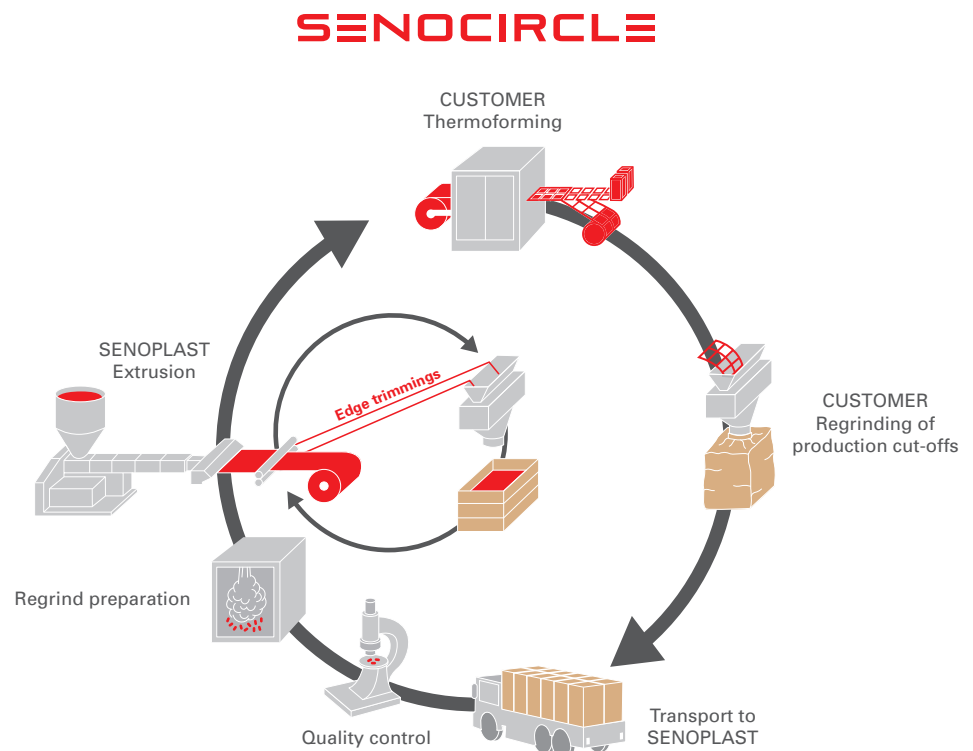
The demand for individualisation, new drive train technologies and special purpose vehicles reduces the annual quantities per model for automotive and other original equipment manufacturers. Since tooling investment is comparatively low, this trend makes thermoforming an increasingly interesting production technology. Quality leadership and many years of automotive experience make Senoplast the logical partner for new vehicle concepts in thermoforming.

The sum of product features speaks for senosan®

Many of the major automobile and commercial vehicle manufacturers rely on Senoplast. **senosan®** and **senotop®** brand plastic sheets and films have a broad range of applications in the automotive industry and related branches. **senosan®** and **senotop®** products stand out with their unique variety of colours and huge range of surface designs. UV-stability, high impact resistance, high temperature stability, recyclability and excellent thermoforming behaviour are the main reasons why automotive customers choose **senosan®** and **senotop®** products.

The Green Spirit

Almost all **senosan®** products are 100% recyclable. For many customers, the re-use of regrind is an environmentally friendly and economical alternative. After the thermoforming and trimming process the cut-off material can be granulated and recycled.



senosan® sheets & senotop® films

UV-stable sheet and film products for exterior applications

Product Range	Material	Thickness	Carrier Layer Options	Coex Layer Options
senosan® AM50 SOLAR EG SOLAR: UV tested (Xenon) EG: easyglide® bottom layer	ABS / PMMA	Sheets 1.5 – 8 mm	AM50: high-impact ABS AM51: higher-heat ABS AM53: very high-heat ABS AM48: senocircle material	Surface AM50C: intensive uni colours AM50CM: metallic colours AM50CI: intensive uni colours with no haze AM50CMI: metallic colours with no haze AM50CLH: special uni colours with lower haze and higher impact Embossings: 006RR, 012RN, 016LI Gloss: high-gloss / semimatt / supermatt Backside Premium -1: extra chemical resistance B: backside in black or grey colour
senosan® AS50/55U EG U: UV-stabilized EG: easyglide® bottom layer	ABS / ASA	Sheets (rolls) 1 – 6 mm	AS50: high-impact ABS AS48: senocircle material	Surface Gloss levels: production gloss / matt Embossings: full range*
senosan® CM60 SOLAR EG SOLAR: UV tested EG: easyglide® bottom layer	PC-ABS / PMMA	Sheets 2 – 8 mm	CM60: PC-ABS Blend CM58: senocircle material	Surface CM60C: intensive uni colours Embossings: 006RR, 012RN, 016LI Gloss level: high-gloss / semimatt / supermatt Backside easyglide® or special PU adhesion layer
senotop® CM62 SOLAR quality, UV tested		Films 1 – 2 mm	CM62: PC-ABS Blend with higher PC content	Surface High-gloss Uni and metallic colours Embossings: 001SN, 006RR, 015ST Backside Developed for reinforcement technology
senosan® CM60FR-2 SUPERMATT SOLAR SOLAR: UV tested	PC-ABS / PMMA flame retardant	Sheets 2.4 – 8 mm	CM60FR-2 SUPERMATT SOLAR: burning behaviour UL94 V0 (from 4 mm)	Surface Supermatt or embossed PMMA Layer Embossings: 006RR, 012RN
senosan® M100HI	PMMA	Sheets/Films 0.5 – 3 mm	M100HI: high-impact PMMA in uni and transparent colours	Surface & Backside High-gloss

* Embossing range: 001SN, 003FN, 006RR, 007GR, 008MB, 012RN, 014MP, 016LI, 017DB, 019SC, 022HT, 026MW, 021MA, 002CA, 011AS, 020TT, 015ST, 004WG



senosan® sheets & senotop® films

High-quality sheet and film products for interior applications

Product Range	Material	Thickness	Carrier Layer Options	Coex Layer Options
senosan® A50	ABS / ABS	Sheets (rolls) 1 – 8 mm	A50: high-impact ABS A50HI: super high-impact ABS A52: low noise ABS A51: higher-heat ABS A53: very high-heat ABS A48: senocircle material	Surface U: UV stabilized UB: both sides UV stabilized Gloss level: production gloss / matt / super-matt Embossings: full range* Backside with/without easyglide® layer
senosan® / senotop® A50 Satin	ABS	Films 0.33 – 1 mm	A50: high-impact ABS A45: medium impact ABS	Surface senotop® : automotive surface quality senosan® : standard surface quality
senosan® A50 EG SOFTFEEL	ABS / TPU	Sheets 1 – 6 mm	A50: high-impact ABS A48: senocircle material (ABS only)	Surface Gloss level: standard / matt SOLAR MATT: UV-stable and matt TPU Embossings: 003FN, 012RN, 016LI, 019SC, 022HT Backside with/without easyglide® layer
senosan® C60	PC - ABS	Sheets 2 – 8 mm	C60: standard PC-ABS blend C58: senocircle material	Surface Embossings: 003FN, 006RR, 012RN Backside with/without easyglide® layer
senosan® C(A)60FR flame retardant	PC - ABS flame retardant	Sheets 2 – 8 mm	CA60FR-2U SUPERMATT: flame retardant, ECE R118 6/7/8 (1.5 – 8 mm)	Surface U: UV stabilized Supermatt ABS top layer
			C60FR-2 EG SOFTFEEL MATT: flame retardant, ECE R118 6/7/8 (2 – 5 mm)	Surface Softfeel matt top layer Backside with easyglide® layer
			C60FR-5: flame retardant, rail EN 45545 R1 HL3 R6 HL3 (2 – 5 mm)	Surface also available as Antibac® version according to ISO 22196
			For all flame retardant products, the embossings 006RR, 012RN, 016LI are frequently used. In addition, the use of customer regrind C(A)58... is possible, as long as a FR-Senocircle contract has been agreed.	
senosan® AC50FR-3-10 flame retardant	ABS - PC flame retardant	Films 0.8 mm	AC50FR-3-10: flame retardant	Surface Embossing: 015ST Backside Developed for reinforcement technology
senosan® C100	PC	Sheets 1 – 3 mm	C100: 100% PC	Surface C100C: uni / intensive uni colours C100CM: metallic colours Embossings: 001SN, 006RR, 015ST
senotop® CC100-1C, C100	PC	Films 0.50 – 1 mm	CC100-1C: 100% PC, uni and translucent colours C100: 100% PC, transparent	Surface High-gloss, Automotive surface quality Backside satined
senosan® HH	HI-PS	Sheets (rolls) 1 – 6 mm	HH: high-impact PS	Surface U: UV stabilized Gloss level: standard / matt Embossings: full range*

* Embossing range: 001SN, 003FN, 006RR, 007GR, 008MB, 012RN, 014MP, 016LI, 017DB, 019SC, 022HT, 026MW, 021MA, 002CA, 011AS, 020TT, 015ST, 004WG



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