



Our Sales Programme at a Glance

Sheets and Foils
made of Thermoplastics.





Sheets & Foils

Thicknesses and Widths:

- sheet thicknesses: from 0.35 - 12.5 mm
- sheet widths: from 300 - 2300 mm
- sheet length: from 300 - 5300 mm
- roll thicknesses: from 0.35 - 2.5 mm
- roll widths: from 300 - 1600 mm

- ✓ mono-extrusion
- ✓ co-extrusion
- ✓ blends
- ✓ secondary finishing
- ✓ cut-to-size pieces

Colours of Sheets and Rolls:

- natural, black, white and coloured according to RAL, Pantone, HKS or pattern sample

Surfaces:

- machine finished on both sides
- various textures, also on both sides
- top side glossy
- colour stripes
- decorative film lamination

Corona Treatment:

- one-sided or double-sided

Protective films on one or both sides

Blends



Areas of Application:

- thermoforming
- mechanical processing
- adhering

Types:

> PS/PE-Blend

- with variable PE portions
- use-oriented blends
- glossy
- matte

> PS/PE-EL-Blend

- electrically conductive

> Polystyrene flame retardant

- UL94-V0
- UL94-V2
- glowing wire resistance 750°C + 850°C

> ABS-SE flame retardant

- according to UL94 V0
- glowing wire resistance 650° C

> ABS/PC-Blend

- ABS with PC share of up to 65%
- Optionally flame retardant

> ABS/PA

- ABS with PA share

> ASA/PC-Blend

- various combinations
- various surfaces



High impact Polystyrene

Areas of Application:

- thermoforming (deep drawing)
- silk screen printing
- offset printing
- digital printing
- coating
- mechanical processing
- adhering

Special Features / Optional Extras:

- antibacterial
- antistatic agent
- flame resistant
- UV stabilization
- increased impact strength
- colour stripe
- corona treatment
- protective film, one-sided or two-sided

Variants:

- > **SB Coex (Koextrusion)**
Polystyrene (HIPS) – Co-extrusion
- up to 4 raw materials, up to 6 layers
- > **SBS Clear - Styrolux**
Polystyrene transparent
- > **SBS Clear - Styrolux mit Glanzschicht**
transparentes SBS/GPPS
- > **Frost / ICE / Kristall**
translucent with outstanding optic
- > **Polystyrol SB-Regenerat**
Based on regrind, mixed colors or reworking,
optionally as a mixture and/or with additional
equipment
- > **PS-TPE (S) Coex**
Polystyrene with TPE top layer,
skid-proof top-layer with exceptional haptic
(comparable soft-touch), various combinations
and surfaces
- > **Polystyrene - ESD**
electrically conductive, volume or surface
conductive
- > **Polystyrene - IDP**
Intrinsic dissipative Polymere, electrically
conductive also possible in colours, volume or
surface conductive
- > **PS SB-ESD-NANO TUBE**
Based on black, electrically conductive
Polystyrene - Carbon - Nanotube - concentrate
- > **Polystyrene flame retardant**
 - Flame retardant according to UL94 V0
 - Glowing wire resistance 750° + 850° C



Areas of Application:

- thermoforming (deep drawing)
- coating
- printing
- mechanical processing
- adhering

Special Features / Optional Extras:

- antibacterial
- increased impact strength
- antistatic agent
- corona treatment
- flame resistant
- UV stabilization
- colour stripe
- protective film, one-side or two-sided

Co-extrusion:

up to 4 raw materials or
colors in up to 6 layers

Examples:

- virgin material / regrind
- matte material / standard or regrind
- ASA/ABS-Standard or regrind
- PMMA (glossy or matte) / ABS virgin material
- TPU/ABS virgin or regrind
(TPU also available for both-sides)
- TPE/ABS virgin material or regrind
(TPE also available for both sides)

Variants:

> ABS-SG

- high impact-resistant, satin gloss

> ABS-HG

- high impact-resistant, high gloss

> ABS-M

- impact-resistant, matte

> ABS-HH

- increased heat resistant

> ABS-SE

flame retardant according to UL 94 V0 or
glowing wire resistance 650°

> ABS-Regrind

based on regrind, mixed colours or
reprocessing,
optionally available as a blend an/or with
additional extras

> ABS-Coex (co-extrusion in many variants)

different combinations of raw materials,
colours or surface combinations, 2 - 6 layers,
rolls or sheets

> ABS / PMMA Coex

ABS with PMMA-top layer
matte, highly glossy, transparent, coloured,
various combinations, different surfaces, also
ESD-quality available

> ABS / PMMA / PMMA - Coex

ABS sub-layer with coloured PMMA
middle-layer and transparent PMMA top-layer

> ABS Virgin Material / ABS-Regrind - Coex

> ABS-matte / ABS-Standard or Regrind - Coex

> ABS / TPU - Coex

ABS with TPU top-layer, one-sided or
two-sided
skid-proof, abrasion-resistant top-layer
various combinations und surfaces
also available with colour stripes
or UV stabilized
also available in ESD quality

> ABS / PC - Blend

ABS with a share of PC of up to 65%
also flame retardant

> ABS / PA - Blend

ABS with a share of PA



weather resistant, high impact

Sheet and rolls with high toughness and stiffness for thermoforming, mechanical processing. Resistant against many chemicals, effects of weathering, UV radiation, seawater etc. Suitable for outdoor applications.

Areas of Application:

- thermoforming (deep drawing)
- mechanical processing
- adhering

Optional Extras:

- increased UV stabilized

Typen:

> ASA-G

glossy (Standard)

> ASA-M

matte

> ASA-SM

supermatte

Co-extrusion:

up to 4 raw materials of colours in up to 6 layers
ASA virgin material / ABS-virgin material or regrind
(ASA also available on both sides)

Variants:

> ASA / ABS - Coex

ABS mit ASA-top layer

Sheets and rolls

various combinations available

different surfaces available

various colour combinations available

> ASA-SoftTouch

Sheets with exceptional haptic (softtouch),
anti-skid effect

available as mono- or co-extrusion

for thermoforming, adhering,

mechanical processing;

for displays, packaging, decoration, covering,
paneling etc.

suitable for inside and outside use.

suitable available in machine finish or grained.



Areas of Application:

- thermoforming
- mechanical processing
- adhering

Variants:

> Polystyrene-ESD (electrically conductive)

(virgin, regrind or rework)

Types:

- volume conductive
- surface conductive
- increased impact-modified
- adjustments from 10^3 - 10^7 Ohm/cm²
- individual adjustments of conductivity by arrangement

> ABS - ESD (electrically conductive)

virgin material

- volume conductive
- surface conductive

> PS/PE - ESD (electrically conductive)

Types:

- volume conductive
- surface conductive
- individual adjustments of conductivity from 10^4 - 10^6 Ohm/cm² by arrangement

> TPE-ESD (electrically conductive) /

PS-ESD (electrically conductive) -

Co-extrusion

(PS-ESD with top layer of TPE-ESD;
TPE-ESD also available on both sides)

> TPE-ESD (electrically conductive) /

PS/PE-ESD (electrically conductive) -

Co-extrusion

(PS/PE-ESD with top layer of TPE-ESD;
TPE-ESD also available on both sides)

> TPU-ESD (electrically conductive) /

ABS-ESD (electrically conductive) -

Co-extrusion

(ABS-ESD with top layer of TPU-ESD;
TPU-ESD also available on both sides)

> Polystyrene-ESD Nano-Tube

based on black, electrically conductive
Polystyrene - Carbon - Nanotube - concentrate

- extended adjustment area of electrically
conductive resistance (10^2 - 10^{10} Ohm/cm²)
- low material abrasion
- homogeneous electrostatic properties
- no pre-drying necessary
- low loss of conductivity by thermoforming
- good forming properties = reduced cycle times
- excellent surface gravity
- lower specific gravity
- good impact resistance



Areas of Application:

- thermoforming
- mechanical processing
- adhering

Variants:

> **TPU/ABS - Co-extrusion, TPU also available on both sides**

Types:

- TPU-Standard (glossy)
- TPU-matte
- TPU aliphatic, increased UV resistant
- electrically conductive (ESD)
- adjusted shore hardness

> **ABS-Softtouch (TPE) / ABS-Co-extrusion**

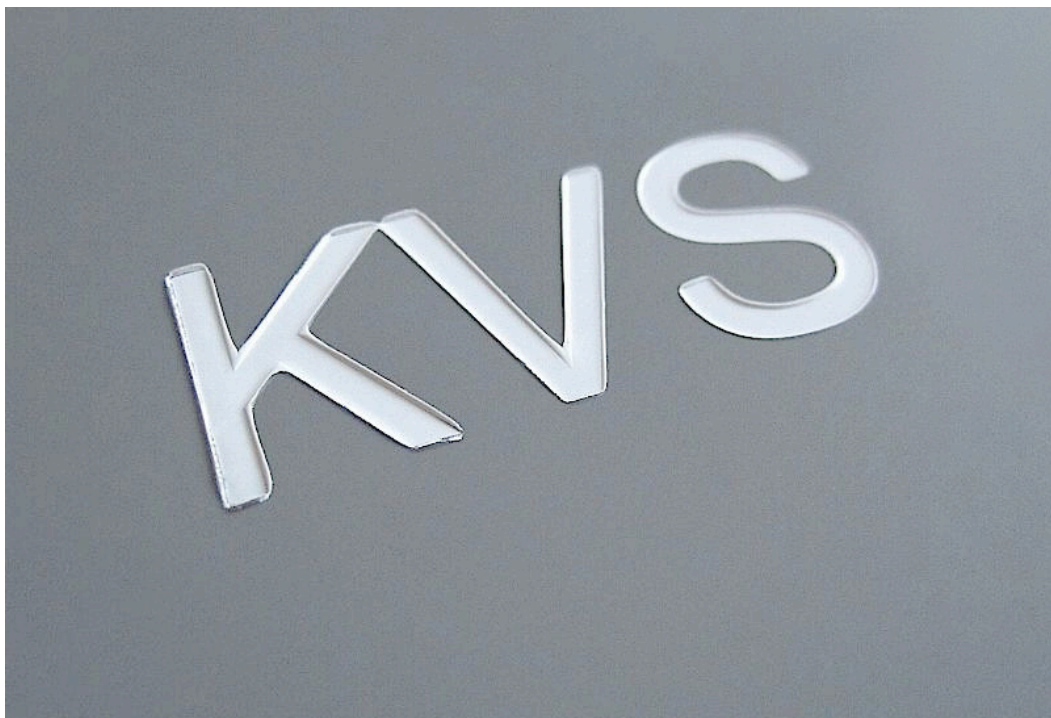
> **ASA-Softtouch (TPE) / ABS-Co-extrusion**

> **PS (HIPS)-Softtouch / TPE - Co-extrusion**

Polystyrene-Softtouch

Types:

- adjusted shore hardness
- electrically conductive

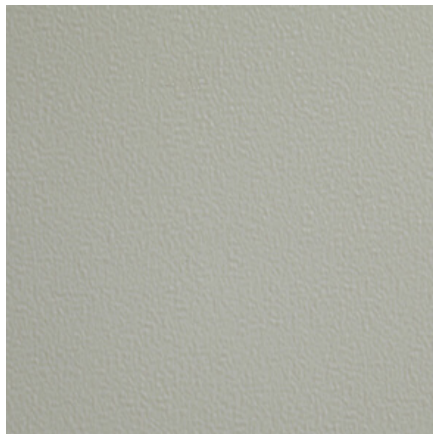


Hotstamping available!

We gladly advise you on the options for hot stamping.



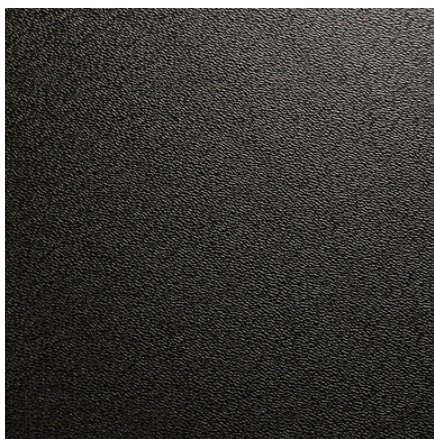
Fine Grain
KVS 3



Planar Grain
KVS 5



Fine Cowhide Grain
(Daimler-Benz Approval)
KVS 6



Pinseal Grain
KVS 8



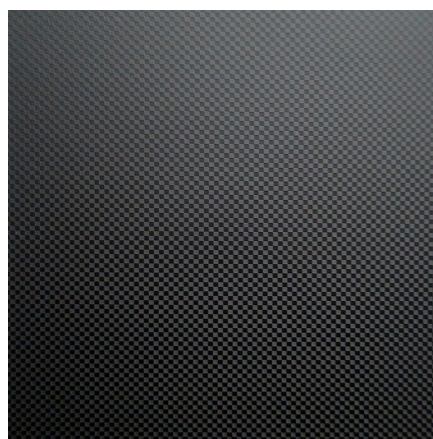
Fine Planar Grain
KVS 9



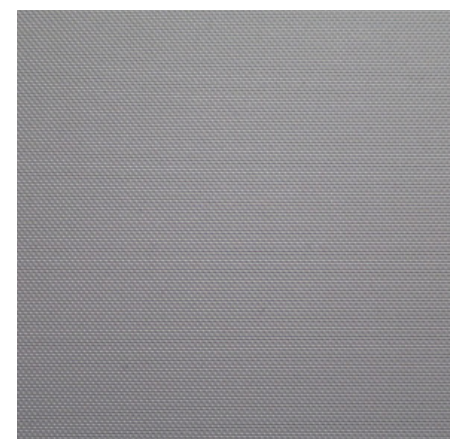
Coarse Grain
KVS 11



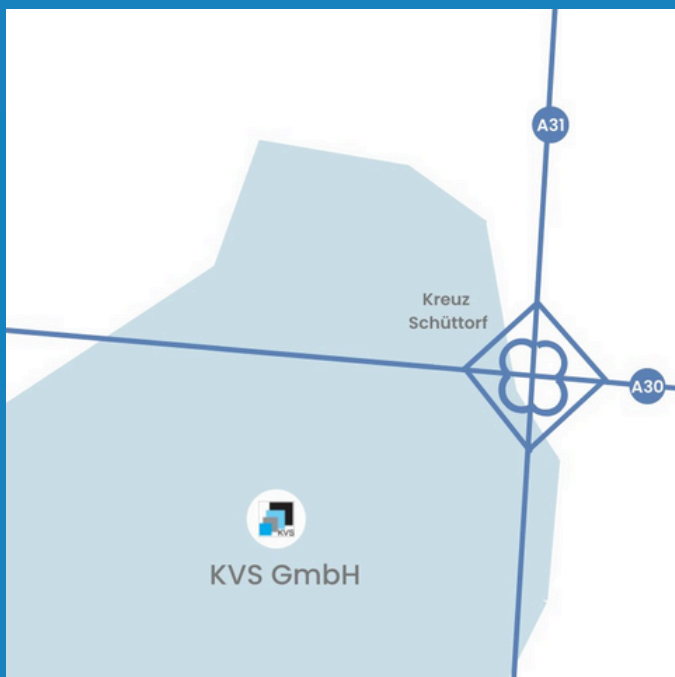
Linen
KVS 21



Square
KVS 22



Magic Pearl
KVS 23



KVS GmbH

Niedersachsenstraße 16
48465 Schüttorf
Germany

Telephone: + 49 (0) 59 23 / 90 36-0
Telefax: + 49 (0) 59 23 / 90 36-29
Email: info@kvs-gmbh.com
Internet: www.kvs-gmbh.com

