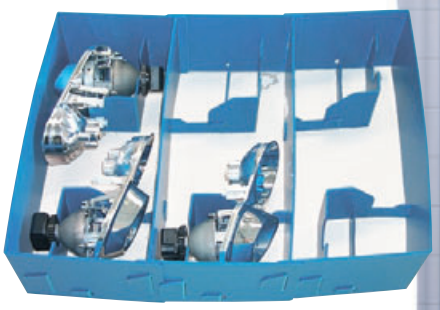
Kaysersberg Plastics
a part of D S Smith Plastics

# Akylux®
## Twin-Wall Polypropylene Sheet

- Lightweight
- Durable & reusable
- Moisture and water resistant
- For hygienic applications, fiber free
- Absorbs impact
- Rigid
- Chemically inert
- Non toxic (translucid and most standard colours are suitable for contact with food)
- 100% recyclable
- Printable (flexo and screenprinting)



## Applications

Akylux® is ideal for a wide variety of one way or returnable packaging.
The sheets are easy to convert into:

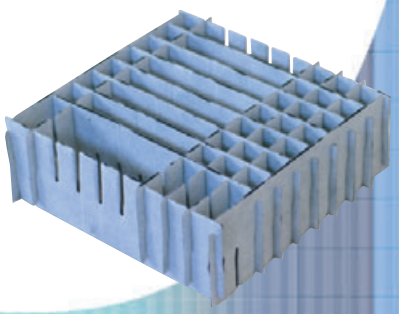
- containers
- cases
- boxes
- fittings
- dividers
- layer pads
- container sleeves

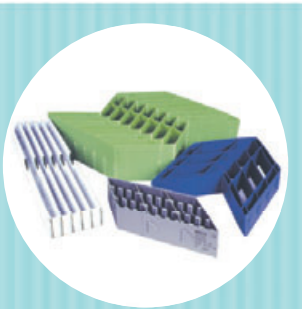
## Conversion

Akylux® can be sawn, die-cut by stamping, with a laser, water jet, creased, welded, perforated, stapled, glued and sewn.
It can be also printed using flexo or screenprinting.

## Protection

Akylux® can be covered, welded or laminated with a wide range of protective surfaces like nonwoven, foam… to protect parts from scratching.






# Technical characteristics:

## Standard range

| | |
|---|---|
| **Thickness:** | 2 to 14 mm |
| **Grammage:** | 250 to 3,000 gsm |
| **Format:** | Customized solution<br>Delivery in sheets or rolls |
| **Coulours:** | Translucent, white, black, blue, grey, yellow, green<br>Others: on request |

## Proposed treatments (optional)

- UV for outdoor use (duration of protection depends on grammage and thickness)
- Antistatic
- Conductive or permanent antistatic ($<10^5$ Ω/□)
- Possibilities for dissipative treatment ($10^9$-$10^{10}$ Ω/□)
- Possibilities of flame-retardant classification
- Corona (1 or 2 sides, 40 to 42 dynes/cm)
- Other treatments: on request

## Sterilisation

- Accepts gamma rays (tested with treatment at 25 KGy)
- Enables ethylene oxide (gas) treatment
- Heat treatment possible (e.g.: 72 h between 50 and 60 °C depending on conditions of application)

## General properties of the raw material

- Softening point:
  vicat: 145 °C at 10 N (standard ISO R 306)
- Melting point: 160-165 °C (DSC)

Polypropylene is composed of carbon and hydrogen. Therefore, its complete combustion in air produces only carbon dioxide and water.

For further information, contact Kaysersberg Plastics Sales Department.

France: Kaysersberg Plastics, B.P. 27, F-68240 Kaysersberg, France
Tel.: +33 (0)3 89 78 32 30 / Fax: +33 (0)3 89 47 18 56

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www.kaysersberg-plastics.com



DS SMITH KAYSERSBERG - Etablissement Plastiques - SAS au capital de 53 816 000 € - RCS COLMAR 572 219 202 SIRET 572 219 202 00072

LUX 138 GB 04/07