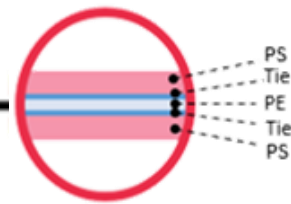


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## Datasheet A83 – PS.PE.PS



The A83 is a medium barrier multilayer PS.PE.PS sheet, suitable for all range of products which required some level of moisture barrier.

The sheet has excellent machinability on standard thermoforming equipment designed for PS use. Multiple top and bottom heating is required with an adjusted cutting tool.

## General

|                 |                          |
|-----------------|--------------------------|
| Composition     | PS.PE.PS                 |
| Colour          | Transparent or coloured  |
| Thickness range | 250 - 1500 $\mu\text{m}$ |
| Width           | 80 - 1200 mm             |

## Physical

|                 |                               |
|-----------------|-------------------------------|
| Specific weight | 1.04 – 1.06 g/cm <sup>3</sup> |
|-----------------|-------------------------------|

## Thermal

|                       |                        |
|-----------------------|------------------------|
| Dimensional stability | < 20% (30min @ 130 °C) |
| Thermoforming range   | 140 °C $\pm$ 10 °C     |

## Barrier

|                      |                                    |
|----------------------|------------------------------------|
| OTR (20 °C – 65%RH)  | max 109 cc/m <sup>2</sup> .24h.atm |
| MVTR (38 °C – 90%RH) | max 2.4 g/m <sup>2</sup> .24h      |

\* Typical values for a 1 mm sheet with 6% PE

## Features

- ◆ Stress crack resistant to alcohols and a variety of oils available upon request
- ◆ Improved moisture barrier and shelf life compared to PS mono sheet
- ◆ Suitable for hot fill up to 85 °C
- ◆ Permanent or easy peel seal against aluminium or plastic lidding material

Storage conditions and expected product shelf life: it is recommended to store the reels in the original packaging at [10-35]°C – max 65% RH and protected from sunlight to guarantee a product life of 12 months

Sheets are manufactured under industrial accepted standards for cGMP. Sheet is composed with components in compliance with EU regulations. Cobelplast is certified ISO 9001:2015, ISO 14001:2015 & BRC/IoP v6

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