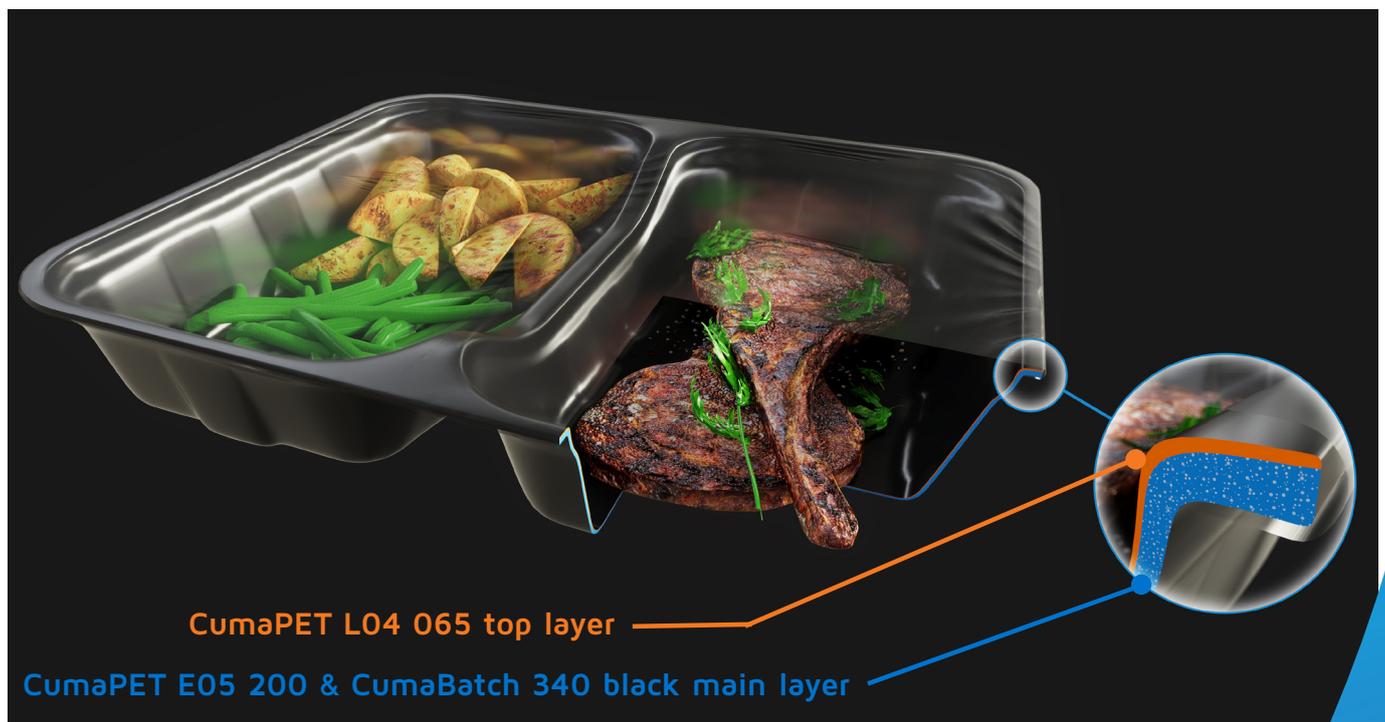


## Production of CPET sheets

Sheets made out of CPET (Crystalline Polyethylene Terephthalate) can be thermoformed into trays that are used in microwaves, conventional ovens, and in other applications where a high temperature stability is required (up to temperatures of 220°C).

Applications for CPET trays made of DuFor materials are ready meals, airline trays and deep frozen meals. A typical CPET tray is made of a main layer in combination with a co-extruded top layer to allow sealing of a lidding film. Especially for these layers we are supplying the following materials:



### Key characteristics

The combination of the above mentioned products will give you the following key characteristics in the end-product:

- ✓ Excellent high temperature stability (steam sterilisable)
- ✓ High impact resistance at deepfreeze temperatures
- ✓ High stiffness
- ✓ Food contact approved
- ✓ Good barrier properties
- ✓ Excellent chemical resistance
- ✓ Skeletal waste can be recycled in the main layer

For the production of high quality CPET trays, DuFor offers a complete range of raw materials:

Layer	Material	Specific properties
Top layer	CuməPET L04 065 -or- CuməPET L04 040	Modified PET for excellent sealing and optimal sealing cycles
Main layer	CuməPET E05 200 -or- CuməPET E05 300	High IV virgin PET for the production of a solid base of the tray.  High IV, post- consumer recycled green bottlegrade PET.
	CuməBatch 340 black -or- CuməBatch 300 natural	The addition of this masterbatch ensures a much faster crystallization, better impact modification (especially at deepfreeze temperatures) and smoother processing. Further, the CuməBatch 340 black also contains carbon black.

### Usage of recycled materials

In addition to the use of virgin materials, we can also offer a solution for the usage of recycled materials. Our grade EcoClear E05 300 green is made of 100% post-consumer bottle flakes and is suitable for the production of CPET. Further information is available upon request.

If you are interested in our materials for the production of CPET, please let us know so we can help you determine which material would suit your application best.