



Sulzer Chemtech AG

# optiFOAM Payback Calculation

When substituting chemical foaming by Optifoam

## Process & Material

Extruder throughput (foam)	<b>500</b>	<b>kg/h</b>
Polymer material price	<b>1.45</b>	<b>€/kg</b>
CBA concentration	<b>1.50</b>	<b>%</b>
CBA price	<b>6.00</b>	<b>€/kg</b>

## Additives

CO <sub>2</sub> concentration	<b>0.20</b>	<b>%</b>
CO <sub>2</sub> price	<b>2.00</b>	<b>€/kg</b>
Nucleation agent concentration	<b>0.25</b>	<b>%</b>
Nucleation agent price	<b>6.00</b>	<b>€/kg</b>
Additional density reduction	<b>0.0</b>	<b>%</b>

## Utilization

Production time	<b>24</b>	<b>h/day</b>
Production time	<b>30</b>	<b>d/m</b>

## Result

<b>Savings [month]</b>	<b>25'560</b>	<b>€</b>
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