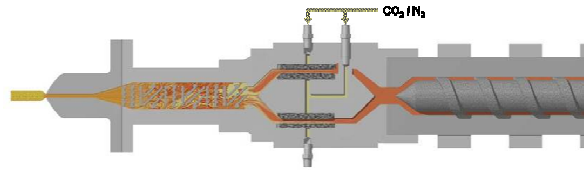


SULZER

optiFOAM

Payback Calculation



| Data to fill in: | |
|---|---------|
| Investment OF [€] | 125'000 |
| Extruder throughput (solid) [kg/hr] | 650 |
| Material price [€/kg] | 0.90 |
| Expected density reduction [%] | 30 |
| Extruder throughput (foam) [kg/hr] | 455 |
| CBA content [weight %] | 1.2 |
| CBA price [€/kg] | 3.90 |
| PBA content [weight %] | 0.1 |
| PBA price [€/kg] | 2.00 |
| Nucleator [weight-%] | 0.20 |
| Nucleator price [€/kg] | 3.90 |
| Production time [hr/day] | 24 |
| Production time [days/month] | 30 |
| Expected additional density reduction [%] | 5.0 |

| Case 1: Substitute solid material | |
|-----------------------------------|--------------------|
| Material savings [€/hr] | 175.50 |
| PBA running costs [€/hr] | 4.46 |
| Payback time [hr] | 731 |
| Payback time [days] | 30 |
| Payback time [month] | 1.0 |
| Savings per month | EUR 123'150 |

| Case 2: Substitute CBA at equal density reduction | |
|---|-------------------|
| PBA running costs [€/hr] | 4.46 |
| CBA running costs [€/hr] | 21.29 |
| Payback time [hr] | 7425 |
| Payback time [days] | 309 |
| Payback time [month] | 10.3 |
| Savings per month | EUR 12'121 |

| Case 3: Substitute CBA with additional density reduction | |
|--|-------------------|
| Additional material savings [€/hr] | 29.25 |
| PBA running costs [€/hr] | 4.46 |
| CBA running costs [€/hr] | 21.29 |
| Payback time [hr] | 2712 |
| Payback time [days] | 113 |
| Payback time [month] | 3.8 |
| Savings per month | EUR 33'181 |