

Design for Sustainability (DfS) Scorecard

With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.



Supelpak-2 Family



Optimized manufacturing of Supelpak-2

Impact areas

Results



MATERIALS

Total solvent usage during manufacturing was reduced by 84-85% depending upon the product. Use of Dichloromethane (DCM), a hazardous and carcinogenic substance, is reduced by at least 75%.



SUPPLIERS & MANUFACTURING

No change compared to baseline product in consideration of our DfS criteria



PACKAGING

No change compared to baseline product in consideration of our DfS criteria



ENERGY & EMISSIONS

New manufacturing process has been simplified, and drying step is no longer required. Total heating time is reduced by 50%. The new process has reduced one internal shipping over 2400 km thanks to the process optimization.



WATER

The new process uses 30% more water but instead reduces the amount of hazardous organic solvents in the process.



USABILITY & INNOVATION

No change compared to baseline product in consideration of our DfS criteria



CIRCULAR ECONOMY

No change compared to baseline product in consideration of our DfS criteria

Baseline product: Supelpak product before process change