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.

Millipore Express® Ace 0.2µm Filters

Provides exceptional sterile filtration performance across a wide range of bioprocessing applications with a cutting-edge, single-layer, hydrophilic polyethersulfone (PES) sterilizing-grade membrane with no intentionally added PFAS

Impact areas	Results
MATERIALS	This polyethersulfone (PES) membrane is manufactured without the intentional addition of any per- and polyfluoroalkyl substances (PFAS). This product also has a carbon footprint approximately 25% lower than the baseline product due to the use of a single-layer membrane compared to a dual-layer membrane.
SUPPLIERS & MANUFACTURING	Approximately 72% of the product mass is covered by suppliers with a current, valid sustainability assessment with a weighted average EcoVadis score of 50.
PACKAGING	Corrugated packaging for this product has a sustainable forestry certification.
ENERGY & EMISSIONS	Manufacturing of the PES membrane requires approximately 30% less energy due to the use of a single-layer membrane compared to a dual-layer membrane used in the baseline product.
WATER	Manufacturing of the PES membrane uses approximately 30% less water due to the use of a single-layer membrane compared to a dual-layer membrane used in the baseline product.
USABILITY & INNOVATION	This product has approximately 1.7- to 2.2-times higher filtration capacity compared to the baseline product based on data from internal tests across four different fluid streams. This increased capacity allows customers in certain use cases to reduce the number of filters needed, resulting in less waste.
CIRCULAR ECONOMY	No change compared to baseline product in consideration of our DfS criteria

Baseline product: Millipore Express® SHC Filters