

repor[®] 33

Life cycle assessment – successful circular economy

EPS with an ecological footprint reduced by about a third: repor[®] 33 which uses recycled EPS. Its production conserves resources and is environment-friendly. With all the strengths of EPS when it comes to processing and application.



Source: Institute for Industrial Ecology, 2022

Compared with standard EPS:

Conserves resources: Producing repor[®] 33 requires 32 % less cumulative fossil energy*, equivalent to 26.8 gigajoules per tonne produced or 7.44 kilowatt hours per kilogram.

* CED: Cumulative energy demand

Climate-friendly: The global warming potential when producing repor[®] 33 is 30.8 % lower. Each tonne produced saves 0.839 tonnes of CO₂ equivalents.

** GWP: Global Warming Potential, calculated over 100 years

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Features

The first of its kind with flustix[®] RECYCLED-certified EPS granulate: With a share of 33 % recycled EPS, repor[®] 33 brings together full EPS functionality with the growing demands of a circular economy.

- > The recycled material comes from EPS packaging in Europe.
- > 81 % of the styrene used comes locally from the EU.
- > sunpor uses green electricity and steam from a gas-fired cogeneration plant operated by a neighbouring company for its production.

Use


Perfect for shockproof and highly insulating packaging, repor[®] 33 offers all the strengths of high-quality sunpor EPS while at the same time bringing ecological added value. Innovatively designed. Reliable and consistent quality. Easy to process.

Technical data




Post-consumer recycled EPS	Flame retardant	Typical size of granulate	Recommended density range	Pentane content (at the time of filling)	Water content (at the time of filling)
33 % by wt.	no	0.7 - 1.4 mm	15 - 30 kg/m ³	> 5,0 % by wt.	< 0,3 % by wt.

sunpor products are 100 % recyclable.



100% RECYCLABLE



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