



Sustainable Recycling of Expanded Polystyrene

SUSTAINABLE RECYCLING OF EXPANDED POLYSTYRENE FROM PACKAGING

KEY WORDS

CIRCULAR ECONOMY,
RECYCLING,
PACKAGING

DESCRIPTION

Manufacturing process of EPS packaging containing between 60% - 100% of recycled material.

POTENTIAL BENEFITS OR IMPACTS

Reduces EPS waste and landfill disposal
Lowers CO₂ emissions and virgin material use
Enables circular use of post-consumer and post-industrial EPS
Maintains strength, insulation, and stability for packaging applications

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 6: Demonstration in a relevant environment

AREA OF APPLICATION

Plastics

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