LG Chem

Leading with Science for Sustainability

LG Chem

We ConnectScience



Sustainability

LG Chem's sustainable strategy

LG Chem call to action includes aggressive carbon reduction, increased green energy and circular resource system



Overview of LG Chem's Sustainable Portfolio

Engineering Materials division adopted 4 technologies as future promising technologies in sustainability perspective.

FOverview



Product Line

1 Mechanical Recycle	2 Chemical Recycle	Bio-based	4 Bio-mass Balanced	5 Biodegradable
 PC, PC/ABS PA6, PA66 OBP PA6, PET * OBP : Ocean Bound Plastic 	 PC, PC/ABS PBT, TPEE Pyrolysis 43K MT(~'24) 	 PA56 (Replaceable of PA66) PBT, TPEE 	• PC, PC/ABS	• PLA - 75K MT(~'25) • PBAT - 50K MT(~'24), 100K MT(~'27)

LG Chem | Eco Friendly Brand

LG Chem announces first eco-friendly brand, LETZero, which covers all categories of sustainable product line.



Eco-friendly Material Brand LETZero

A compound word of "Let" and "Zero," which means "to turn harmful substances to the environment and the net increase in carbon emissions into zero."

LETZero Product Line



LETZero Certification



Royal Botanic Toothpaste by LG Household & Health Care with LETZero Certification



Bus stop built with PCR materials



LETZero Product Package

Life Cycle Assessment(LCA)

LG Chem provides LCA report to calculate reduction of carbon footprint when using LG Chem's sustainable materials





Scope 3 •All other indirect emissions from activities of the organization

Source : GHG Protocol



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Environmental Benefit

PCR PC 50% PC/ABS



CO₂Emission



Water Consumption

-30%

Cumulative Energy Demand

-30%

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Global Location

LG Chem can globally supply equal quality of PCR products to customers



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Thank you

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