

The Global Market for Advanced Chemical Recycling

<https://marketpublishers.com/r/GB93511DCFC6EN.html>

Date: January 2023

Pages: 218

Price: US\$ 1,250.00 (Single User License)

ID: GB93511DCFC6EN

Abstracts

Advanced recycling technologies that utilize heat or chemical solvents to recycle plastics into new plastics, fuels or chemicals are a key strategy for solving the global plastic problem.

Advanced chemical recycling technologies are now being developed by around 130 companies worldwide, and capacities are increasing. Companies including ExxonMobil, New Hope Energy, Nexus Circular, Eastman, Encina are planning to build large plastics recycling plants.

As well as complementing traditional mechanical recycling, advanced recycling offers benefits such as widening the range of recyclable plastic options, producing high value plastics (e.g. for flexible food packaging) and improving sustainability (using waste rather than fossil fuels for plastics production).

Report contents include:

Overview of the global plastics and bioplastics markets.

Market drivers and trends.

Advanced chemical recycling industry developments 2020-2023.

Capacities by technology.

Market maps and value chain.

In-depth analysis of advanced chemical recycling technologies.

Advanced recycling technologies covered include:

Pyrolysis

Gasification

Dissolution

Depolymerisation

Emerging technologies.

Profiles of 144 companies. Companies profiled include Agilyx, APK?AG, Aquafil, Carbios, Eastman, Extractive, Fych Technologies, Garbo, gr3n SA, Ioniqa, Itero, Licella, Mura Technology, revalyu Resources GmbH, Plastogaz SA, Plastic Energy, Polystyvert, Pyrowave, Synova and SABIC.

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