

# Global Reactive Chain Extenders for Recycled Polyesters Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G63E67490550EN.html>

Date: July 2026

Pages: 131

Price: US\$ 4,480.00 (Single User License)

ID: G63E67490550EN

## Abstracts

The global Reactive Chain Extenders for Recycled Polyesters market size is expected to reach \$ 1271 million by 2032, rising at a market growth of 10.1% CAGR during the forecast period (2026-2032).

In 2025, the global sales volume of reactive chain extenders for recycled polyesters is approximately 60,000 metric tons, with an average price of around US\$11,000 per metric ton. These products are multifunctional reactive additives used in the reprocessing of polycondensation polymers such as rPET, PBT, PLA, PBAT, and PA. Typically containing active functional groups such as epoxy, carbodiimide, oxazoline, or anhydride, they react with terminal carboxyl or hydroxyl groups during melt extrusion. This process increases molecular weight, intrinsic viscosity, melt strength, and hydrolysis resistance, while enhancing the stability of mechanical properties. Upstream raw materials primarily include GMA, styrene, acrylates, carbodiimides, and functional monomers; downstream applications mainly encompass rPET sheets, bottle-to-bottle recycling, fibers, food packaging, modified engineering plastics, and biodegradable materials.

This report studies the global Reactive Chain Extenders for Recycled Polyesters production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Reactive Chain Extenders for Recycled Polyesters and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Reactive Chain Extenders for Recycled Polyesters that contribute to its increasing demand across many

markets.

Highlights and key features of the study

Global Reactive Chain Extenders for Recycled Polyesters total production and demand, 2021-2032, (Tons)

Global Reactive Chain Extenders for Recycled Polyesters total production value, 2021-2032, (USD Million)

Global Reactive Chain Extenders for Recycled Polyesters production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Reactive Chain Extenders for Recycled Polyesters consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Reactive Chain Extenders for Recycled Polyesters domestic production, consumption, key domestic manufacturers and share

Global Reactive Chain Extenders for Recycled Polyesters production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Reactive Chain Extenders for Recycled Polyesters production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Reactive Chain Extenders for Recycled Polyesters production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Reactive Chain Extenders for Recycled Polyesters market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, Br?ggemann, LANXESS, Clariant, Nisshinbo Chemical, Nagase ChemteX, Avient, Sukano, Croda, Arkema, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Reactive Chain Extenders for Recycled Polyesters market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Reactive Chain Extenders for Recycled Polyesters Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Reactive Chain Extenders for Recycled Polyesters Market, Segmentation by Type:

Multifunctional Epoxy Chain Extender

Carbodiimide Chain Extender

Oxazoline Chain Extender

#### Global Reactive Chain Extenders for Recycled Polyesters Market, Segmentation by Epoxy Equivalent Weight:

450 g/eq

#### Global Reactive Chain Extenders for Recycled Polyesters Market, Segmentation by

### Functional Category:

IV Rebuild

Hydrolysis Resistance

Compatibilization & Melt Strength

### Global Reactive Chain Extenders for Recycled Polyesters Market, Segmentation by Application:

rPET Sheet & Film

Bottle-to-Bottle Recycling

Recycled PA & PBT

Bioplastics PLA/PBAT

### Companies Profiled:

BASF

Br?ggemann

LANXESS

Clariant

Nisshinbo Chemical

Nagase ChemteX

Avient

Sukano

Croda

Arkema

Fine-Blend

Guangzhou Silike Technology

Scienoc

#### Key Questions Answered:

1. How big is the global Reactive Chain Extenders for Recycled Polyesters market?
2. What is the demand of the global Reactive Chain Extenders for Recycled Polyesters market?
3. What is the year over year growth of the global Reactive Chain Extenders for Recycled Polyesters market?
4. What is the production and production value of the global Reactive Chain Extenders for Recycled Polyesters market?
5. Who are the key producers in the global Reactive Chain Extenders for Recycled Polyesters market?
6. What are the growth factors driving the market demand?

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