

Corbion's route FDCA

Corbion is the market leader in industrial fermentation of organic acids (lactic acid), and has developed a proprietary process to produce 2,5-Furandicarboxylic acid (FDCA) on industrial scale from renewable resources. Currently Corbion is preparing for industrial scale-up and ready to take the next step.

FDCA has the potential to replace purified terephthalic acid (PTA) in a variety of applications, among which PEF (polyethylene furanoate) is the best known. PEF gives improved finished product performance, due to better barrier, thermal and mechanical properties. These material properties bring new performance to food and beverage packaging, while also improving the product sustainability.

Corbion is currently scaling-up its production to allow for further market seeding and supply into joint development partnerships. In such partnerships a multitude of applications is researched, among which bottles, film-based packaging, fibres, resins and other applications.