

Aug. 25, 2026

ADEKA CORPORATION

ADEKA Establishes New Manufacturing Plant for TRANSPAREX™ New Ultimate Performance Novel Clarifier in South Korea

ADEKA CORPORATION (President and Chief Executive Officer, Representative Director: Hidetaka Shirozume) is announcing that it will build a new manufacturing plant for TRANSPAREX™, a new ultimate performance novel clarifier, at the Jeonju No. 3 Plant of its consolidated subsidiary, ADEKA KOREA CORPORATION.

Plastics are used in a wide range of applications, from consumer goods and food packaging to construction materials and mobility products. At the same time, growing efforts toward decarbonization and concerns over the supply of petrochemical feedstocks have increased the importance of plastic material recycling and efficient resource utilization.

Polypropylene (PP) is widely used in applications such as food packaging and automotive bumpers due to its low weight, ease of processing, heat resistance, and durability. However, its limited transparency has restricted its use in applications where appearance is a key requirement.

To meet these market needs, ADEKA launched TRANSPAREX™, a new ultimate performance novel clarifier, in November 2024 with the aim of promoting material recycling and advancing the use of polypropylene as a mono-material solution. TRANSPAREX™ is a clarifying agent capable of imparting glass-like transparency to polypropylene. In 2025, it was recognized by the GUINNESS WORLD RECORDS™ as the "Most effective clarifier for polypropylene transparency." In addition, TRANSPAREX™ is highly valued for its ability to deliver excellent transparency at a low dosage while maintaining performance during recycling, as well as offering superior heat and chemical resistance. As a result, TRANSPAREX™ has been adopted for a growing range of applications, including food packaging, medical products, automotive components, and consumer goods, with demand expanding worldwide.

As demand for TRANSPAREX™ is expected to increase in line with its growing adoption, ADEKA has decided to build its own manufacturing plant in addition to existing contract manufacturing arrangements in order to ensure a stable supply of the product. The new facility will be constructed at the Jeonju No. 3 Plant of ADEKA KOREA CORPORATION. The site, which was acquired in 2018, currently houses manufacturing facilities for next-generation and future-generation semiconductor materials. The new TRANSPAREX™ plant will utilize available space within the site. This investment also represents ADEKA KOREA's first capital investment in polymer additives manufacturing facilities in nine years.

Through the expansion of TRANSPAREX™ sales, the ADEKA Group aims to grow the global clarifier market to more than ¥50 billion by fiscal 2030 (compared with ¥30 billion in fiscal 2024) and to achieve a market share of over 60% (compared with 14% in fiscal 2024). By doing so, the Group will contribute to the realization of a resource-circulating society through material recycling and the promotion of mono-material solutions.

■ Outline

Location	ADEKA KOREA CORPORATION the Jeonju No.3 Plant (Wanju-gun, North Jeolla Province, South Korea)
Investment value	6.5 billion yen
Total floor area	5,996 m ²
Schedule	Groundbreaking: Dec. 2026, Completion of construction: Jun. 2028, Start of commercial operation: Nov. 2028

Supplement 1: About TRANSPAREX™

TRANSPAREX™ is new ultimate performance novel clarifier that provides polypropylene (PP) with unprecedented glass-like transparency at very low addition levels. It also offers excellent extraction resistance and retains its performance during recycling. By combining these benefits with the inherent advantages of PP, such as excellent heat and chemical resistance, light weight, and ease of processing, ADEKA is promoting TRANSPAREX™ globally as a key material for advancing mono-material solutions and material recycling, thereby contributing to a circular economy.



- The special video to see the features of TRANSPAREX™ : <https://youtu.be/iE0sw9vExdo>
- Product Website : <https://www.adeka.co.jp/en/chemical/pickup/pickup18.html#tp>

Supplement 2: ADEKA's Polymer Additives Business

Since launching the ADK CIZER, plasticizer for PVC in 1954, ADEKA has provided plasticizers that do not adversely affect the human body, high-performance nucleating agents contributing to vehicle weight reduction, flame retardants that suppress the spread of fire and the generation of harmful substances, and other polymer additives that enhance durability, functionality, and environmental performance of plastics. ADEKA's strengths lie in its long-cultivated technical capabilities and wide product lineup, offering optimal formulations and highly regarded technical support to meet customer needs. The company currently boasts the world's second-largest market share in the industry.

Supplement 3: About ADEKA Group

ADEKA Group is a global enterprise with consolidated sales exceeding 400 billion yen, providing valuable materials across diverse markets with chemicals, food, and life sciences as its core businesses. Guided by our slogan "Add Goodness" (Everything can be made better), we have pursued the realization of a sustainable society since our founding in 1917 by providing products that support people's lives. For example, we contribute to affluent lifestyles behind the scenes through products like semiconductor materials leading the advanced ICT society, resin additives that reduce environmental impact by lightening vehicles, and commercial margarine that helps reduce food loss by maintaining freshness. We possess numerous highly competitive products. For instance, our "ADEKA ORCERA" series of High-k materials for advanced semiconductor memory holds the top global market share and is indispensable for enhancing semiconductor performance.

■ Contacts

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