24 February 2022

Solvent-free adhesives for better recyclability of flexible packaging

Henkel adhesives gain RecyClass approval for recyclability

Bangkok – Two Henkel adhesives from the Loctite Liofol RE range for use in flexible packaging have been recognized by RecyClass as fully compatible with existing recycling processes for polyethylene (PE).

These adhesives enable flexible packaging to be recycled into higher quality plastics and offer better second life options in various applications. This is a key milestone towards greater sustainability and the creation of a circular economy.

“The RecyClass approval is a testament to our commitment to leadership in sustainability and will help drive our efforts with customers in enhancing the recyclability of their packaging materials,” said Andrianto Jayapurna, President of Henkel Thailand.

RecyClass is a comprehensive cross-industry initiative that advances plastic packaging recyclability and enables traceability and transparency of recycled plastic content in Europe.

“To receive the RecyClass approval, our innovative solvent-free adhesives were extensively tested in accordance with strict scientific protocols, which confirmed their suitability for the packaging recycling process,” said Guilherme Fernandes, Senior Manager of Product Development for Polyurethanes at Henkel.

“Our RE range of adhesives is designed to enable better recyclability of packaging,” said Alexander Bockisch, Head of Market Strategy Flexible Packaging at Henkel. “The RecyClass technology approval for our adhesives creates more transparency for packaging designers towards the use of packaging components that are truly compatible with recycling.”

The assessment by the RecyClass PO films Technical Committee revealed that the two grades of Loctite Liofol RE adhesives exert extremely low interference in the recycling process of laminated low-density polyethylene (LDPE) film layers after recycling and are fully compatible with existing European industrial recycling processes for PE flexibles. Furthermore, the use of both adhesives did not have any negative impact on the quality of the recycled content.

Learn more at [Adhesives enabling recycling - Henkel Adhesives (henkel-adhesives.com).](https://www.henkel-adhesives.com/de/en/spotlights/all-spotlights/sustainability/adhesives-enabling-recycling.html%22%20%5Ct%20%22_blank)