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TOWARDS SUSTAINABLE THERMOPLASTIC ADHESIVE FILMS

Thermoplastic adhesive films exhibit excellent adhesion to various substrates, including textiles, metals, and performance materials. They offer benefits such as low odour, no emissions during processing, and reversible bonding and debonding by heat.

At Pontacol, we focus on the development and sale of thermoplastic functional single- and multilayer films made of polymers like PE, PP, EVA, CoPA, CoPES, and TPU, but any type of thermoplastic is potentially extrudable. Most of these materials are derived from fossil fuel source and exhibit a high carbon footprint, limited recyclability and sustainability. In line with the 12th UN sustainability goal for responsible consumption and production, ^[1] one of Pontacol's core research interest is the development of sustainable thermoplastic adhesive films. These innovative films enable our customers to create products from renewable feedstocks that are biodegradable and facilitate easy repair or recycling.

In this talk, we will showcase Pontacol's dedication to sustainability and innovation by highlighting recent R&D projects that exemplify our commitment to advancing the field of thermoplastic adhesive films.

[1] <https://sdgs.un.org/goals/goal12> (29.04.2025)