

PRODUCT BULLETIN

ColorMatrix™ Amosorb™ Oxyloop-1

O_2 Scavenging Additive to Enhance Recycling

Part of the ColorMatrix™ Amosorb™ range, ColorMatrix Amosorb Oxyloop-1 is a recycling enhancer oxygen scavenging additive formulated to achieve leading results in terms of bottle-to-bottle recyclability. The solution is EPBP*-accredited for colored bottle-to-bottle recycling, and delivers full oxygen scavenging performance with up to 100% rPET content.

Amosorb 4020Eco is intended for low-to-medium term shelf life applications, and is well suited, but not limited to, packaging for juices, oxygen-sensitive vitamin drinks, ready-to-drink teas, and more. The solution is also formulated to increase packaging sustainability; colored bottles containing this additive are classified as recyclable for bottle-to-bottle recycling streams. It is also greatly beneficial to the transparent recycling stream, as a top solution in the current market. Due to its excellent circular properties, Amosorb Oxyloop-1 can contribute favorably to the buildup of rPET feedstock that will be available in the market, which is desirable to both recyclers and brands.

RECYCLABILITY & rPET

Brand owners wishing to operate within a circular economy want to incorporate higher levels of rPET into their packaging. In addition, governments are legislating for increased use of recycled material in single-use packaging. For example, the EU's directive for the use of recycled PET (rPET) in bottles[1] has increased to 25% in 2025. Amosorb Oxyloop-1 offers a cost-effective solution with reliable oxygen scavenging performance and outstanding bottle clarity, and is accredited by the EPBP for bottle-to-bottle recyclability.

KEY BENEFITS

- EPBP bottle-to-bottle recyclability accredited
- Non-nylon based product
- Compatible with rPET (recommended for >up to 100% rPET content)
- No scavenging delay or deactivation
- Excellent bottle clarity
- Fit to use in monolayer as well as multi-layer bottle structures

* European Platform for Bottle Packaging

[1] https://eur-lex.europa.eu/legal-content/EN/LSU/?uri=CELEX:32019L0904

- Achieving a specific rPET content in the bottles can, in some countries, lead to avoidance of taxes surcharges.

Virgin PET 3% 4020 Eco

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TARGET MARKET & APPLICATIONS

PET and rPET rigid packaging for food and beverage products.

REGULATORY

ColorMatrix Amosorb Oxyloop-1 meets direct food contact regulatory requirements in major markets.

Contact Avient for specific clearances and use conditions.

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