



➤ PRODUCT BULLETIN

ColorMatrix™ Amosorb™ 4020R High rPET Content Oxygen Scavenging Additive

Part of the ColorMatrix™ Amosorb™ range, Amosorb 4020R is an oxygen scavenger booster specifically formulated for use with recycled PET (rPET). The solution delivers full oxygen scavenging performance with up to 100% rPET content.

RECYCLABILITY & rPET

Brand owners wishing to operate with a Circular Economy need to use higher levels of rPET in their packaging. In order to satisfy the demand for a circular economy, governments are legislating increased use of recycled material in single use packaging. The EU's directive for use of recycled PET (rPET) in bottles will increase from 25% in 2025. Brand owners would like to ensure the oxygen scavengers used in their PET bottles maintain their oxygen scavenging efficacy with the introduction of increasing levels of rPET.

Amosorb 4020R improves the aesthetics of recycled packaging in terms of haze and color, and also maintains performance levels irrespective of the level of rPET used, delivering consistent results at all levels of rPET; 25%, 50% and 100%.

For brand owners seeking to maximize their rPET usage up to 100% to achieve sustainability and recyclability targets, Amosorb 4020R offers a cost effective solution with reliable oxygen scavenging performance and low haze levels on final bottles.

For converters manufacturing bottles for oxygen sensitive beverages such as juices or teas and sauces, Amosorb 4020R is a unique masterbatch solution offering a reliable, cost effective oxygen scavenging performance, while giving freedom of usage for many different grades of rPET up to 100% in content. The additional low haze levels provide good aesthetics.

KEY BENEFITS

- Consistent performance with all levels of rPET; 25%, 50% and 100%
- Improved haze and color
- Can be used with many different resin/grades
- Non-nylon based
- Simple to use with existing mono-layer equipment
- Suitable for use on multi-layer machines

Sustainability Spotlight



Recycle
Solutions



TARGET MARKET & APPLICATIONS

PET and rPET rigid packaging for food & beverage

REGULATORY

ColorMatrix Amosorb 4020R meets direct food contact regulatory requirements in major markets.

Contact Avient for specific clearances and use conditions.



100% rPET



3% 4020R in 100% rPET



4% 4020R in 100% rPET

1.844.4AVIENT
www.avient.com



Copyright © 2021, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.