



LIGHTGUARD  
RGB OXN

# PROTECTION THROUGH SCIENCE

FOR PET PACKAGING APPLICATIONS

Many consumer products are sensitive to UV light. Most types of beer are sensitive to UV radiation and visible light up to 510 nm. Formation of 3-methylbut-2-ene-1-thiol (3-MBT) out of hops is then triggered. The smallest amount of 3-MBT in beer is already noticeable. To protect the flavor of your beer, we developed LightGuard RGB OXN, available in green and amber.



### PROBLEM SOLVING SOLUTION

Over time, Ultraviolet (UV) light can break down your product's best features and natural PET doesn't block UV light on its own. For this reason, we created LightGuard to help protect your product's color, flavor, and nutrients.



### PROTECTING BRAND INTEGRITY

We know your product's protection must be part of the plan, but your brand identification is foremost for marketing continuity. We support your product's UV security along with the colorant best fit for the job. From a clear single-serve juice bottle to a colored detergent container to an earthy natural oil, the contents are protected while your brand is promoted.



### OPTIMIZED PROCESSING

As with our other offerings, LightGuard provides highly accurate and consistent online dosing. With easy implementation, there is a noticeable cost reduction due to shorter downtime when compared to competitive additives.



### ALONE OR WITH COLORANTS

LightGuard was created as a standalone product but we also offer it pre-colored in several standard products. Of course, we can always custom-match based on your specific product need.

LightGuard	Designed for	UV Protection	Visible light Protection	Available in a wide range of shades	Oxygen Barrier Compatible
LightGuard 370	brand protection, solid product suitable for injection molding	up to 370 nm			
LightGuard 370 Plus	brand protection, solid product suitable for injection molding	>370			
LightGuard 390	brand protection, liquid product suitable for injection molding	up to 390 nm			
LightGuard RGB	brand protection, solid product suitable for injection molding	up to 400 nm	400 to 700 nm	•	
LightGuard RGB OXN	brand protection, solid product suitable for injection molding	up to 400 nm	400 to 700 nm	•	•



### NEW: LIGHTGUARD RGB OXN AMBER

We have recently developed a new Lightguard RGB OXN 'amber' which offers you light protection in the UV and visible region. Furthermore, it allows an optimal performance of commercially available oxygen scavenger solutions used in PET packaging. The light barrier, in combination with the oxygen scavenger solution, prevents the formation of 3-methylbut-2-ene-1-thiol (MBT). MBT is known to cause the light struck off taste in beer.

### FIND OUT MORE

Contact our sales people about purchasing quantities and deliveries, or our technical experts for information about our technology and its implementation:

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## LIGHTGUARD

Protecting against UV degradation