Typical Property Data Sheet

Auriga Polymers Inc.

OxyClear® Additive 3500

Co-polyester Additive for Oxygen Barrier Packaging

Product Description

OxyClear® Additive 3500 is a modified polyester that can absorb and bind oxygen at room temperature when combined with either OxyClear® Resins 2510, 2512 and 2320, or OxyClear® Master Batch 2710 in most standard PET resins.

Such OxyClear® Barrier PET resins can be processed on standard injection molding and extrusion as well as blow molding and thermoforming equipment into monolayer oxygen barrier PET containers with glass-like clarity that exhibit an exceptional oxygen ingress barrier over the entire shelf life at loading levels as low as 1%.

Containers made from OxyClear® Barrier PET are ideal for packaging and protecting oxygen-sensitive beverages and foods, such as wine, beer, juice, ketchup, sauces, milk, condiments and others. Colorless OxyClear® Barrier Containers can carry the resin symbol 'PETE 1' and can be recycled with the clear PET stream.

OxyClear® Additive 3500 is supplied pre-dried in 225 pound air-tight sealed bags in 55 gallon drums and does not require any further drying or handling. It is recommended to protect OxyClear® Additive 3500 from moisture uptake and keep it below 149° F (65°C) when in presence of air.

Auriga Polymers Inc. holds regulatory clearances for up to 6% OxyClear® Additive 3500 in PET under FDA and EU directives for all most food types. All monomers and additives of OxyClear® Barrier PET are included in the EU Plastics Implementing Measure, EU 2011/10 and on the most recent MERCOSUR and Chinese list for packaging materials.

Property	Typical Value	Test Method
Intrinsic Viscosity	0.85 Minimum	Solution Viscosity*, **
Color L*	65 Minimum	Hunter Colorimeter
Color b*	37 Maximum	Hunter Colorimeter
Melting Point (°C)	240 Maximum	DSC***
Chip Size (g/20 chips)	0.5 Maximum	Weight
Bulk density (kg / m^3)	670 Minimum	Displacement Weight

* Solution viscosity testing method in m-cresol used internally by Auriga Polymers Inc.

** Converting solution viscosity to intrinsic viscosity using an empirical correlation developed by Auriga Polymers Inc.

*** Auriga Polymers Inc. internal testing method

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Product Data Sheet
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