



**Auriga Polymers Inc.**

# OxyClear<sup>®</sup> Master Batch 2710

## Preliminary Data Sheet

### Product Description

OxyClear<sup>®</sup> master batch 2710 is a crystallized co-polyester containing an oxidation catalyst that can initiate and propagate the formation of oxygen radicals in PET to provide an effective oxygen ingress barrier when combined with an oxygen binding additive such as OxyClear<sup>®</sup> additive 3500 in PET resin.

The resulting OxyClear<sup>®</sup> Barrier PET yields transparent containers with glass-like clarity that provide excellent shelf life to oxygen-sensitive foods and beverages such as juice, wine, beer, ketchup, sauces and condiments.

Containers made from PET with up to 2.5% OxyClear<sup>®</sup> master batch 2710 and up to 6% OxyClear<sup>®</sup> additive 3500 are compliant with Federal Food, Drug, and Cosmetic Act for all food types under most processing conditions. All monomers and additives of OxyClear<sup>®</sup> master batch 2710 are included in the EU Plastics Implementing Measure, EU 2011/10. Please contact your sales representative for specific food contact clearances, including EU specific migration limits.

OxyClear<sup>®</sup> master batch 2710 is a crystallized co-polyester PET supplied pre-dried in 300 lb., 55 gallon fiber drums. Kept under dry air, the master batch can be added directly at the injection machine with a dosing feeder. Alternatively, it can be pre-blended with PET resin before drying at standard PET conditions

Property	Typical Value	Test Method
Intrinsic Viscosity, dl/g	0.45 Minimum	1% Solution in DCA*
Color L*	42 ± 5	Hunter Colorimeter**
Color b*	-10 ± 10	Hunter Colorimeter**
Melting Point, °C	258 Maximum	DSC**
Chip Weight, g/20 chips	0.35 ± 0.10	Visual**
Crystallinity, %	20 Minimum	By density

\* Determined by conversion of solution viscosity to intrinsic viscosity using an empirical correlation developed by Auriga Polymers Inc. equivalent to ASTM method D-4603.

\*\* Auriga Polymers Inc. internal testing method

**Product Data Sheet  
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