



Auriga Polymers Inc.

Preliminary Data Sheet

Polyclear® Preserve PET 2224

Product Description

Polyclear® Preserve PET 2224 is a modified PET resin with a higher glass transition temperature that can provide a higher heat deflection temperature to containers compared to standard PET.

Containers made from **Polyclear® Preserve PET 2224** exhibit excellent clarity in combination with superior dimensional stability preventing shrinkage and expansion at higher application temperatures.

Typical applications include hot filled and heat treated, food and beverage jars and bottles, pasteurized and multiuse containers that need to withstand dishwashing and process temperatures.

Further, **Polyclear® Preserve PET 2224** provides an additional UV-light barrier over standard PET.

Polyclear® Preserve PET 2224 complies with the Federal Food, Drug, and Cosmetic Act for certain food contact applications. Please contact Auriga Polymers Inc. for specific FDA clearances.

Containers made from Polyclear® PET are lightweight, have excellent clarity, and are shatterproof and can be recycled with standard PET.

| Property | Typical Value | Test Method |
|--|------------------------|---|
| Intrinsic Viscosity* | 0.81 ± 0.02 | 1% Solution in Dichloroacetic Acid* |
| Melting Point (°C) | 252 Maximum | DSC** |
| Carboxyl End Groups (meq/kg) | 45 Maximum | Titration** |
| Diethylene Glycol Content (wt%) | 1.8 Maximum | Gas Chromatography** |
| Acetaldehyde Content (ppm) | 2.5 Maximum | Gas Chromatography** |
| Density (g/cm ³) | 1.39 Minimum | Pycnometer |
| Fines (%) | 0.05 (through 28 mesh) | Gravimetric determination as manufactured |
| Moisture Content (%) | 0.2 Maximum | Karl Fisher Titration as manufactured |
| Crystallinity (%) | 50 Minimum | Pycnometer |
| Bulk Density (packed) lb/ft ³ | 50 Minimum | *** |
| Chip Size (grams / 100 chips) | 2.2 Maximum | |

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

** Internal method

*** Not equivalent to bulk density found with fully packed, larger quantities.

Polyclear® PET is a registered trademark of Indorama Ventures PCL.

**Product Data Sheet
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