



Auriga Polymers Inc.

Preliminary Data Sheet

Polyclear® Preserve PET 2222

Product Description

Polyclear® Preserve PET 2222 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 2222** 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 2222** provides an additional UV-light barrier over standard PET.

Polyclear® Preserve PET 2222 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)	35 Maximum	Titration**
Diethylene Glycol Content (wt%)	1.2 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 (%)	0.1 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
Disclaimer**

This Product Data Sheet contains selected information about a specific Auriga Polymers Inc. product, or group of products. THIS PRODUCT DATA SHEET DOES NOT CONTAIN A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES, QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS OF THE PRODUCT, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCT, EXCEPT TO THE EXTENT REQUIRED BY RELEVANT LAWS AND REGULATIONS. Purchasers and users of the product are responsible for determining if the product is suitable for the intended use and that their workers and the general public are advised of any risks resulting from such use. Nothing contained in this Product Data Sheet shall be construed to modify any of the commercial terms pursuant to which the product was sold by Auriga Polymers Inc. including, but not limited to, terms and conditions addressing each party's respective rights and obligations with regard to warranties, remedies and indemnification.