

Polyclear® Preserve PET 2201

Product Description

Polyclear® Preserve PET 2201 is designed to offer superior performance in hot-fill and pasteurized container applications. It has a nominal intrinsic viscosity of 0.82 dl/g.

Packaging made from Polyclear® Preserve PET 2201 has excellent clarity and is noted for its dimensional stability, which prevents shrinkage and expansion of the container, even after post-fill heat treatment. Polyclear® Preserve PET 2201 is used successfully in heat-set hot-fill bottles for juice, teas, sports drinks, and foods. Polyclear® Preserve PET 2201 is also used successfully in pasteurized bottles for beer, flavored alcoholic beverages, and other carbonated beverages.

This polymer complies with the Federal Food, Drug, and Cosmetic Act for certain food contact applications. Please contact INVISTA for specific FDA clearances.

Containers made from INVISTA PET are lightweight, have excellent clarity, and are shatterproof. With the important advantage of being totally recyclable, PET is becoming the packaging material of choice.

Property	Value	Test Method
General		
Intrinsic Viscosity*	0.82 ± 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)	2.0 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 INVISTA equivalent to ASTM method D-4603.

** Internal method

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

**Product Data Sheet
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