

Polyclear® Crystal PET 3302

Polyethylene Terephthalate

Auriga Polymers Inc.

Message:

Polyclear® Crystal PET 3302 is a copolymer packaging resin with a nominal intrinsic viscosity of 0.79 dl/g. Polyclear® Crystal PET 3302 is designed to have slow re-crystallization rates, and containers produced from the resin are noted for their excellent color and clarity.

Polyclear® Crystal PET 3302 has been used successfully in pharmaceutical, personal care, household goods, liquor, and food containers as well as other custom containers. This polymer complies with the Federal Food, Drug, and Cosmetic Act for certain food applications. Please contact Indorama Ventures for specific FDA clearances.

Polyclear® Crystal PET 3302 offers excellent performance in single-stage, integrated injection-stretch blow molding machines as well as in two-stage, one-step injection and stretch-blow machines.

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

General Information			
Features	Excellent Processability		
	Copolymer		
	Recyclable materials		
	Definition, high		
	Compliance of Food Exposure		
Uses	Beverage Containers		
	Packaging		
	Personal care		
	Container		
	Food container		
	Drug		
Agency Ratings	FDA not rated		
Processing Method	Injection Stretch Blow Molding		
	Stretch blow molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	> 1.39	g/cm ³	Internal method
Apparent Density ¹	> 0.83	g/cm ³	Internal method
Acetaldehyde - Gas Chromatography		ppm	Internal method
Crystallinity - Pycnometer	> 50	%	Internal method
Inherent viscosity-1% Solution in Dichloroacetic Acid ²	0.79	dl/g	Internal method
Water content-Karl Fisher Titration (as manufactured)		%	Internal method
Carboxyl End Groups - Titration		meq/kg	Internal method

Chip Size		g/100 pcs	Internal method
Diethylene Glycol - Gas Chromatography		wt%	Internal method
Fines - Gravimetric determination (as manufactured)	0.050	%	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	< 248	°C	DSC
NOTE			

1. Not equivalent to bulk density found with fully packed, larger quantities.
2. Determined by conversion of solution viscosity to intrinsic viscosity using an empirical correlation developed by Indorama Ventures equivalent to ASTM method D-4603.

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