

## Indorama Auriga Polymers Polyclear® Refresh 1101 PET Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

### Material Notes:

Description: Polyclear® Refresh PET 1101 is a copolymer packaging resin with a nominal intrinsic viscosity of 0.83 dl/g. Packaging made from Polyclear® Refresh PET 1101 has excellent clarity and is noted for its dimensional stability, which prevents shrinkage and expansion of the container. Polyclear® Refresh PET 1101 is used successfully in carbonated soft drink bottles and other applications such as water bottles, food containers, and packaging for household goods. This polymer complies with the Federal Food, Drug, and Cosmetic Act for certain food contact applications. Please contact Auriga Polymers Inc. for specific FDA clearances. Polyclear® Refresh PET 1101 offers excellent performance in maximum throughput, stretch blow molding applications. Preforms made from Polyclear® Refresh PET 1101 allow maximum blowing throughputs by quickly heating in the infrared (IR) ovens. In addition, bottles made from Polyclear® Refresh PET 1101 are low-stick, which eases handling issues. Containers made from Auriga Polymers Inc. PET are lightweight, have excellent clarity, and are shatterproof. With the important advantage of being totally recyclable, PET is the packaging material of choice.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indorama-Auriga-Polymers-Polyclear-Refresh-1101-PET-Resin.php](http://www.lookpolymers.com/polymer_Indorama-Auriga-Polymers-Polyclear-Refresh-1101-PET-Resin.php)

Physical Properties	Metric	English	Comments
Bulk Density	>= 0.833 g/cc	>= 0.0301 lb/in <sup>3</sup>	
Density	>= 1.39 g/cc	>= 0.0502 lb/in <sup>3</sup>	Pycnometer
Particle Mesh Size	28 Mesh	28 Mesh	0.05% through; Gravimetric determination as manufactured
Viscosity Measurement	0.81 - 0.85	0.81 - 0.85	Intrinsic; 1% Solution in Dichloroacetic Acid
Crystallinity	>= 50 %	>= 50 %	Pycnometer

Thermal Properties	Metric	English	Comments
Melting Point	<= 252 Å°C	<= 486 Å°F	DSC

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Chemical Properties	Metric	English	Comments
Acetaldehyde	<= 2.00 ppm	<= 2.00 ppm	Gas Chromatography
Diethylene Glycol	<= 1.8 %	<= 1.8 %	Gas Chromatography
Carboxyl End Groups	<= 45 meq/kg	<= 45 meq/kg	Titration

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Chip Size	< 2 grams/100 chips	
Process	Blow Molding	
	Injection Molding	
Region	US & Canada	Bamberger Polymers Distribution

## Contact Songhan Plastic Technology Co.,Ltd.

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