



## VINPOL™ PT101

### High Melt Strength Co-Polyester

**VINPOL PT101** is a co-polyester with high melt strength designed for extrusion blow molding of clear, high-gloss containers capable of being recycled with clear PET. This product is a semi-crystalline PET polymer with high melt strength and slow crystallization allowing for processing on typical extrusion PET blow molding equipment. It has a high melting point with a typical Tg. Containers made from VINPOL PT101 can carry the resin identification code “PETE 1”, and can be recycled with the clear PET stream. Containers made from this product are ideal for packaging juice, sports drinks, tea, edible oil, household cleaners, detergents, chemicals and automotive products and can replace containers made from PETG, PVC, PP, PC and HDPE. This product complies with FDA and Cosmetic act for all food packaging applications and certain processing conditions.

Resin Property	Typical Value	Units	Test Method
Intrinsic Viscosity*	1.01 +/- 0.03	dl/g	Supplier Method
Moisture Content (as produced)	0.15 max.	wt %	Karl Fisher Titration
Acetaldehyde	2.0 max.	ppm	Supplier Method
Color L* b*	80.0 min. 1.5 max.		Hunter Colorimeter
Melting Point	240 max.	°C	Supplier method
Fines, through 25 mesh	0.05	%	Supplier Method
Chip Size	2.0 max.	g/100 chips	Supplier Method
Density	1.39 min.	g/cm <sup>3</sup>	Supplier Method
**Bulk Density	52 min.	lb/ft <sup>3</sup>	Supplier Method

\* Determined by conversion of solution viscosity to intrinsic viscosity using an empirical correlation developed by the supplier, equivalent to ASTM D-4603. 1% Solution in Dichloroacetic Acid.

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

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