vinmar polymers america

VINPOL™ PT090

Modified Co-Polyester

VINPOL PT090 is a modified co-polyester with higher melt strength and chemical resistance designed to produce clear, high-gloss containers with improved dimensional, thermal and chemical stability and that can be recycled with clear PET. Containers made via injection reheat stretch blow molding are particularly suited to package more aggressive liquids such as air fresheners, hair dyes and alkaline chemicals, as well as for higher internal pressure and temperature applications such as aerosols. Containers made with this product can carry the "PETE 1" resin identification code and can be recycled with the clear PET stream. VINPOL PT090 complies with FDA and Cosmetic Act for all food packaging applications and certain processing conditions.

Resin Property	Typical Value	Units	Test Method
Intrinsic Viscosity*	0.90 +/- 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^3	Supplier Method
**Bulk Density	52 min.	lb/ft^3	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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