

# I. Stern & Co. Inc

## Polyethylene Terephthalate Resin Product Data Sheet

IS-7985  
Polyethylene Terephthalate Resin

### Product Description

IS-7985 is a natural polyethylene terephthalate (PET) resin. This resin is produced by continuous melt phase polymerization followed by solid phase polymerization.

### Certification

IS-7985 is ideally suited for food packaging applications and is considered in compliance with the Food and Drug Administration (FDA) Food Additive Regulation 21 CFR 177.1630, covering PET polymers.

### Typical Properties

<b>Property</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Intrinsic Viscosity	0.795 ± 0.05	IV	C-100a
Color “L”	78.0 ± 8.0	Hunter	C-111
Color “b”	-2 ± 6.0	Hunter	C-111
Acetaldehyde Content	≤3.0	ppm	C-170b
Chip Size (nominal size)	54 ± 20	# of chips/g	C-185
Density, Bulk	54.3	lb/ft <sup>3</sup>	C-186
Crystalline	>1.39	g/cc	C-2011
Melting Point	240	°C	C-120

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