

## PET 821 Technical Datasheet

<b>Product</b>	<i>Polyethylene Terephthalate (Copolymer)</i>
<b>LOT No.</b>	
<b>Grade</b>	<i>PET-BG821 (Bottle Grade)</i>

### Laboratory Analysis Report

Item	Unit	Specification	Avg. Result	Method
<i>Intrinsic Viscosity</i>	<i>dl/g</i>	$0.82 \pm 0.02$		<b>ISO 1628-5</b> <small>in combination with NPET05</small>
<i>DEG Content</i>	<i>wt%</i>	$\leq 1.5$		<b>ASTM E2409-4</b> <small>in combination with WN-8010-9008E</small>
<i>Color (CIE Lab)</i>	<i>L*</i>	$\geq 90$		<b>ASTM D6290-5</b> <small>in combination with WN-8010-7110E</small>
	<i>b*</i>	$\leq 2.0$		
<i>Carboxyl End Group</i>	<i>meq / Kg</i>	$\leq 32$		<b>ASTM D7409-7</b> <small>in combination with WN-8010-7013E</small>
<i>Melting Point</i>	$^{\circ}\text{C}$	$249 \pm 3$		<b>ASTM D3418-3</b> <small>in combination with WN-8010-7089E</small>
<i>Acetaldehyde</i>	<i>ppm</i>	$\leq 1.0$		<b>ASTM F2013-5</b> <small>in combination with WN-8010-9013E</small>
<i>Water Content</i>	<i>wt%</i>	$\leq 0.3$		<b>ASTM D6869-3</b> <small>in combination with WN-8010-7159E</small>


### Applications:

Water bottle, sparkling beverages, oil bottle, medicine container.



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