

# Polyethylene Terephthalate

## BG821

| PROPERTY                 | TEST METHOD          | UNIT   | TYPICAL VALUE* |
|--------------------------|----------------------|--------|----------------|
| Intrinsic Viscosity (IV) | ZIMMER WN-B010-7040E | dl/gr  | 0.82           |
| DEG Content              | --                   | %wt    | MAX 1.5        |
| Color (CIE Lab)          | ZIMMER WN-B010-7110E | L<br>B | >90<br><2      |
| Carboxyl End Group       | ZIMMER WN-B010-7090E | meq/gr | Max 32         |
| Melting Point            | ZIMMER WN-B010-7089E | °C     | 248            |
| Acetaldehyde (AA)        | ZIMMER WN-B010-9013E | ppm    | <1             |
| Water Content            | ZIMMER WN-B010-7089E | %wt    | <0.3           |

\* Typical values not to be construed as specifications.

**Product Description:** Polyethylene Terephthalate (PET) bottle grade chips (highly viscous) is a condensation polymer produced by a continuous melt phase polymerization process followed by a solid state polymerization process, with an I.V of 0.75-0.85. The product has an excellent transparency and gloss, an outstanding gas barrier against oxygen and carbon dioxide, and outstanding toughness and impact strength.

**Applications:** CSD • Carbonated Water • Edible Oil • Alcoholic Beverage • Pharmaceuticals • Wide Mouth Jars • APET sheet • Strapping.

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