



**verdant**

**PCRPT080NN**

Recycle Polyethylene Terephthalate

**VERDANT PCRPT080NN** is an RPET (Recycle Polyethylene Terephthalate) produced from recycled disposable PET bottles with nominal intrinsic viscosity of 0.80 dl/g. This resin is produced in a state-of-the-art continuous polymerization technology and is combined with a strict quality monitoring system in production facilities that are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm quality. This product conforms to FDA Regulation 177.1630 and is recyclable.

| Resin Property      | Typical Value                 | Units             | Test Method        |
|---------------------|-------------------------------|-------------------|--------------------|
| Intrinsic Viscosity | 0.78 – 0.82                   | dl/g              | ASTM D-4603        |
| Melting Temperature | 244-250                       | °C                | ASTM D-3418        |
| Ash Content         | ≤ 0.02                        | %                 | Supplier Method    |
| Moisture            | ≤ 0.30                        | %                 | Supplier Method    |
| Acetaldehyde        | ≤ 1.0                         | ppm               | Gas Chromatography |
| Acid Value          | 35 ± 10                       | 10-6equ/g         | Titration Method   |
| Bulk Density        | 0.90 ± 0.05                   | g/cm <sup>3</sup> | JIS K-5101         |
| Chip Size           | 130 ± 5                       | chips/2g          | Weight Scale       |
| Fines               | < 100                         | ppm               | Supplier Method    |
| Color               | L: 75.2 ± 2.0<br>b: 0.0 ± 2.0 | -                 | JIS 2-8722         |

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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