

PP

Very High transparent Random PP

▶ RJ781Z

● Description

RJ781Z is a high flow propylene-ethylene random polypropylene for manufacturing transparent injection molded articles. It is produced using Hanwha Total's proprietary non-phthalate catalyst developed via innovative catalyst technology complying with EU REACH regulation (Annex XIV). In addition, RJ781Z has excellent transparency being suitable for high quality products.

● Characteristics

- ▶ Excellent transparency, BPA (bisphenol-A) Free
- ▶ Wide Processing window can increase productivity, decrease cycle time, & save cost by low temperature injection

● Applications

- ▶ high quality products such as food containers, storage box, housewares

● Physical Properties

| Typical Properties | Method (ASTM) | Unit | RJ781Z |
|-------------------------------|---------------|--------------------|--------|
| Melt flow index | D1238 | g/10min | 25 |
| Density | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | D638 | kg/cm ² | 330 |
| Elongation at break | D638 | % | 500 |
| Flexural modulus | D790 | kg/cm ² | 12,000 |
| Izod impact strength at 23 °C | D256 | kgcm/cm | 5 |
| Rockwell hardness | D785 | R-scale | 85 |
| Heat distortion temperature | D648 | °C | 100 |
| Haze (2mm sheet) | D1003 | % | 12 |

* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

* Data performed by or on behalf of Hanwha Total



● **Food Contact Application**

- ▶ Hanwha Total RJ781Z meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

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