

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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