

**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 <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	330
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm <sup>2</sup>	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

## ● **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.