

# PP

Very High transparent Random PP

## ▶ RJ581Z

### ● Description

**RJ581Z** is 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, RJ581Z has excellent transparency being suitable for high quality products such as food containers, housewares.

### ● Characteristics

- ▶ Excellent transparency;  
Compare to current material, transparency dramatically increased
- ▶ Wide Processing window;  
Productivity increase: cycle time reduction by faster crystallization  
Energy saving by low temperature injection

### ● Applications

- ▶ high quality products such as food containers, housewares

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	RJ581Z
Melt flow index	D1238	g/10min	15
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	6
Rockwell hardness	D785	R-scale	87
Heat distortion temperature	D648	°C	95
Haze (2mm sheet)	D1003	%	11

## ● **Food Contact Application**

- ▶ Hanwha Total RJ581Z 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.