

PP

Random PP for injection molding

► **RJ580Z**

● **Description**

RJ580Z 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, RJ580Z has good transparency being suitable for infant article such as sports/baby bottles.

● **Characteristics**

- Excellent transparency & gloss
- Good processability

● **Applications**

- Infant article such as sports/baby bottles, cup, food tray.

● **Physical Properties**

Typical Properties	Method (ASTM)	Unit	RJ580Z
Melt flow index	D1238	g/10min	15
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	300
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm ²	11,000
Izod impact strength at 23 °C	D256	kgcm/cm	6
Rockwell hardness	D785	R-scale	85
Heat distortion temperature	D648	°C	95
Haze (2mm sheet)	D1003	%	18

● **Food Contact Application**

- ▶ Hanwha Total RJ580Z 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.