Hanwha | TOTAL

PP

Random PP for injection molding (MI=40)

▶RJ870Z

● Description

RJ870Z is a propylene-ethylene random copolymer for manufacturing transparent injection molding 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, RJ870Z has good transparency & high flowability for large container and TWIM (Thin wall injection molding).

● Characteristics

- ▶ Excellent transparency & gloss
- ▶ Good processability

● Applications

- ▶ large container and TWIM (Thin wall injection molding)

● Physical Properties

Typical Properties	Method	Unit	RJ870Z
Melt flow index	D1238	g/10min	40
Density	D1505	g/cm^3	0.90
Tensile strength at yield	D638	kg/cm^2	330
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm^2	11,500
Izod impact strength at 23°C	D256	kg•cm/cm	4.5
Rockwell hardness	D785	R-scale	85
Heat distortion temperature	D648	°C	95
Haze (2mm sheet)	D1003	%	18

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