

# PP

## ▶ RJ870Z

Random PP for injection molding (MI=40)

### ● 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 <sup>3</sup>	0.90
Tensile strength at yield	D638	kg/cm <sup>2</sup>	330
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm <sup>2</sup>	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