

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

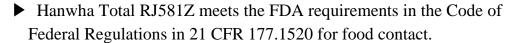
Physical Properties

Typical Properties	Method (ASTM)	Unit	RJ581Z
Melt flow index	D1238	g/10min	15
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	330
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm ²	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

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Food Contact Application



In case you might need additional technical or regulatory information
please contact Hanwha Total Polymer Technical Service Team.