

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

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

● **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.

● **Contacts**

- ▶ **Product Information & Technical Services** www.cn-plas.com

Disclaimer

This www.cn-plas.com document is copyright of Hanwha Total petrochemicals Co., Ltd. Any and all information and the values in this document are typical properties for reference, not to be confused with, or regarded as specification. Customers are responsible for determining whether our products and information are suitable for their particular purpose and for ensuring that Customer's location and handling practices are in compliance with laws and regulations. HANWHA TOTAL assumes no obligation or liability for the information in this document. NO EXPRESS WARRANTIES ARE

GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY HANWHA TOTAL. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. HANWHA TOTAL is entitled to alter, change or modify any of the content herein at any time without prior notice, but not under any duty to do so.