

# PP

Random PP for PP-R pipe

## ▶ RP100

### ● Description

**RP100** is a propylene-ethylene random copolymer, designed for hot and cold water supply system. It has excellent creep properties and extrusion processability. RP100 is recommended for pressure pipe manufacturing, including tap water, under-floor heating and industrial applications. It is produced using non-phthalate catalyst complying with EU REACH regulation (Annex XIV). Pipes of RP100 comply with the quality requirements of the DIN 8078 or ISO/DIS 15874.

### ● Characteristics

- ▶ Good processability (outstanding rheological behavior)
- ▶ High creep resistance
- ▶ Good impact strength at low temperature
- ▶ Better thickness profile & surface roughness

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	RP100
Melt flow index	D1238	g/10min	0.25
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	290
Elongation at break	D638	%	500
Flexural modulus	D790	kg/cm <sup>2</sup>	9,000
Izod impact strength at 0°C	D256	kgcm/cm	8
Rockwell hardness	D785	R-scale	75
Heat distortion temperature	D648	°C	95

Data performed by or on behalf of Hanwha Total



## ● **Food Contact Application**

- ▶ Hanwha Total RP100 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 Customer Service Team.

## ● **Contacts**

### ▶ **Product Information & Technical Services**

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