

PP

Random PP for Expanded Polypropylene (EPP)

► RE400

● Description

RE400 is a propylene-ethylene random polypropylene designed for expanded beads of polypropylene (EPP). RE400 meets the demands of good foamability in batch-typed EPP process and fusion-bond between foamed beads in molding process.

● Characteristics

- Good Foamability
- Good Fusion-bond Properties
- Excellent UV Resistance

● Applications

- EPP bead for automobile and E&E.

● Physical Properties

Typical Properties	Method (ASTM)	Unit	RE400
Melt flow index	D1238	g/10min	7
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	300
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm ²	9,500
Izod impact strength at 23 °C	D256	kgcm/cm	5
Rockwell hardness	D785	R-scale	80
Heat distortion temperature	D648	°C	96
Melting temperature	Hanwha Total	°C	145

● **Food Contact Application**

- ▶ Hanwha Total RE400 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.