

**Hanwha****TOTAL**

# PP

**Homo PP for stretched tapes**

## ► HY300

### ● Description

**HY300** is an isotactic homo PP grade for extrusion application. It is designed for the production of films which can be converted into stretched tape, and injection molded housewares.

### ● Characteristics

- Excellent processability & mechanical properties
- High stretchability & productivity

### ● Applicatinos

- Woven bags , Stretched band, PP filament , Fishing net, rod

### ● Physical Properties

| Typical Properties         | Method (ASTM) | Unit               | HY300  |
|----------------------------|---------------|--------------------|--------|
| Melt flow index            | D1238         | g/10min            | 3.9    |
| Density                    | D1505         | g/cm <sup>3</sup>  | 0.91   |
| Tensile strength at yield  | D638          | kg/cm <sup>2</sup> | 380    |
| Elongation at break        | D638          | %                  | 500    |
| Flexural modulus           | D790          | kg/cm <sup>2</sup> | 14,500 |
| Izod impact strength 23 °C | D256          | kgcm/cm            | 4      |
| Rockwell hardness          | D785          | R-scale            | 100    |
| Heat distortion temp.      | D648          | °C                 | 110    |

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

\* Data performed by or on behalf of Hanwha Total



## ● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total HY300 to the food packaging. Thus, the verification on the suitability is necessary.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.

## ● **Contacts**

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

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