# PP

**Homo PP for stretched tapes**

# ▶HY301

## ● Description

**HY301** 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 | HY301 |
|---|---|---|---|
| Melt flow index | D1238 | g/10min | 3.2 |
| Density | D1505 | $g/cm^3$ | 0.91 |
| Tensile strength at yield | D638 | $kg/cm^2$ | 350 |
| Elongation at break | D638 | % | 500 |
| Flexural modulus | D790 | $kg/cm^2$ | 16,000 |
| Izod impact strength 23℃ | D256 | kgcm/cm | 4 |
| Rockwell hardness | D785 | R-scale | 100 |
| Heat distortion temp. | D648 | ℃ | 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

▶ Hanwha Total HY301 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**

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