

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 °C | D256 | kgcm/cm | 4 |
| Rockwell hardness | D785 | R-scale | 100 |
| Heat distortion temp. | D648 | °C | 110 |

● **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.