

HDPE for Yarn

## YUHWA HIDDEN HT306

**Features  
and Uses**

|                    |  |
|--------------------|--|
| <b>Application</b> | HDPE for Yarn  |
| <b>Features</b>    | High Stretch, High Tenacity  |
| <b>Uses</b>        | High-strength fibers (Fishing Nets, Ropes), Tarpaulin, Stretched Tapes |

**Properties**

| Items                                    | Specification | Unit                | Test Method |
|--|---------------|---------------------|-------------|
| <b>Melt Index</b>                        | 0.6           | g/10min.            | ASTM D1238  |
| <b>Density</b>                           | 0.960         | g/cm <sup>3</sup>   | ASTM D1505  |
| <b>Mold Shrinkage</b>                    | 1.5~2.5       | %                   | KPIC Method |
| <b>Water Absorption</b>                  | <0.01         | %                   | ASTM D570   |
| <b>Tensile Strength at Yield</b>         | 300           | kgf/cm <sup>2</sup> | ASTM D638   |
| <b>Elongation at Break</b>               | >500          | %                   | ASTM D638   |
| <b>Flexural Modulus</b>                  | 11,000        | kgf/cm <sup>2</sup> | ASTM D790   |
| <b>Hardness (Rockwell)</b>               | 54            | R Scale             | ASTM D785   |
| <b>Impact Strength (Izod with Notch)</b> | >50           | kgf cm/cm           | ASTM D256   |
| <b>Melting Point</b>                     | 135           | °C                  | ASTM D3418  |
| <b>Softening Point (Vicat)</b>           | 125           | °C                  | ASTM D1525  |
| <b>Heat Deflection Temperature</b>       | 72            | °C                  | ASTM D648   |
| <b>Brittleness Temperature</b>           | <-70          | °C                  | ASTM D746   |

※ Above data are intended to serve as guides only, and are not sales specification limits.

**Contact  
Info.**

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