



## HCPP HX3700

YUPLENE HX3700 is a high crystalline polypropylene homopolymer designed for injection molding applications. YUPLENE HX3700 has excellent properties in stiffness, flow, heat resistance and good dimensional stability. YUPLENE HX3700 can be used for auto parts, household articles, electric appliances and various containers. YUPLENE HX3700 can reduce various injection problems such as surface trouble, shrink, warpage etc. and reduce the cycle time of injection molding due to rapid crystallization. YUPLENE HX3700 complies with FDA regulation 21 CFR177.1520.

### Application

Injection Molding / Automobile applications, Home appliances, Industrial parts for electronic

### Characteristics

High stiffness, High dimensional stability

### Physical Properties

|                                      | Value | Unit               | Test Method |
|--------------------------------------|-------|--------------------|-------------|
| Melt Index                           | 20    | g/10min            | ASTM D1238  |
| Softening Point (Vicat)              | 158   | °C                 | ASTM D1525  |
| Tensile Strength at Yield            | 400   | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Break                  | <20   | %                  | ASTM D638   |
| IZOD Impact Strength (Notched, 23°C) | 3     | kg·cm/cm           | ASTM D256   |
| Flexural Modulus                     | 21000 | kg/cm <sup>2</sup> | ASTM D790   |
| Hardness(Rockwell)                   | 107   | R Scale            | ASTM D785   |
| Heat Distortion Temperature          | 140   | °C                 | ASTM D648   |

These are typical properties only, and are not to be construed as specific limits.

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