

HCPP HX3900

YUPLENE HX3900 is a high crystalline polypropylene homopolymer designed for injection molding applications. YUPLENE HX3900 has excellent properties in stiffness, flow, heat resistance and good dimensional stability. YUPLENE HX3900 can be used for auto parts, household articles, electric appliances and various containers. YUPLENE HX3900 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 HX900 complies with FDA regulation 21 CFR177.1520.

Application

Injection Molding / automobile applications, industrial parts for electronic

Characteristics

High stiffness, High dimensional stability, High Heat Resistance

Physical Properties

| | Value | Unit | Test Method |
|--------------------------------------|-------|--------------------|-------------|
| Melt Index | 65 | g/10min | ASTM D1238 |
| Softening Point (Vicat) | 155 | °C | ASTM D1525 |
| Tensile Strength at Yield | 400 | kg/cm ² | ASTM D638 |
| Elongation at Break | <20 | % | ASTM D638 |
| IZOD Impact Strength (Notched, 23°C) | 2.5 | kg·cm/cm | ASTM D256 |
| Flexural Modulus | 21000 | kg/cm ² | ASTM D790 |
| Hardness(Rockwell) | 110 | 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.