# YUPLENE® HX3900

Polypropylene Homopolymer

SK Global Chemical

## Message:

Y UPLENE 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.

| General Information | | | |
|---|---|---|---|
| Features | Good Dimensional Stability<br>High Heat Resistance<br>High Stiffness | | |
| Uses | Appliances<br>Automotive Applications<br>Containers<br>Electrical/Electronic Applications<br>Household Goods<br>Industrial Applications | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 65 | g/10 min | ASTM D1238 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 110 | | ASTM D785 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Yield) | 39.2 | MPa | ASTM D638 |
| Tensile Elongation (Break) | < 20 | % | ASTM D638 |
| Flexural Modulus | 2060 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (23°C) | 25 | J/m | ASTM D256 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Vicat Softening Temperature | 155 | °C | ASTM D1525 |
| Heat Deflection Temperature | 140 | °C | ASTM D648 |



Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China