



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 ²	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 ²	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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