

YUPLENE® HX3800

Polypropylene Homopolymer

SK Global Chemical

Message:

YUPLENE HX3800 is a high crystalline polypropylene homopolymer designed for injection molding applications. YUPLENE HX3800 has excellent properties in stiffness, flow, heat resistance and good dimensional stability. YUPLENE HX3800 can be used for auto parts, household articles, electric appliances and various containers. YUPLENE HX3800 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 HX3800 complies with FDA regulation 21 CFR177.1520.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	High Heat Resistance		
	High Stiffness		
	Highly Crystalline		
	Homopolymer		
Uses	Appliances		
	Automotive Applications		
	Containers		
	Electrical Parts		
	Household Goods		
	Industrial Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.2	MPa	ASTM D638
Tensile Elongation (Break)	< 300	%	ASTM D638
Flexural Modulus	2160	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	156	°C	ASTM D1525
Heat Deflection Temperature	140	°C	ASTM D648

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