



Data Sheet
Date Prepared:

HCPP BX3500

YUPLENE BX3500 is a high crystalline propylene impact copolymer designed for injection molding applications. YUPLENE BX3500 has excellent stiffness, mechanical properties, heat resistance and good impact strength, which make YUPLENE BX3500 suitable for auto parts, electric appliances, large size containers, thin wall and high speed injection applications. This is not a chemical cracked grade so it is free from surface gas mark. YUPLENE BX3500 can reduce various injection problems such as surface trouble, shrink, warpage etc. and reduce the cycle time of injection molding due to rapid crystallization.

Application / Use Case

Injection / Battery case, Home appliances, Industrial parts for electronic

Characteristics

Stiffness, Heat resistance, Impact strength, High flow

Physical Properties

	Value	Unit	Test Method
Melt Index	10	g/10min	ASTM D1238
IZOD Impact Strength(Notched, 23°C)	10	kg-cm/cm	ASTM D256
IZOD Impact Strength(Notched, -20°C)	6	kg-cm/cm	ASTM D256
Softening Point(Vicat)	155	°C	ASTM D1525
Tensile Strength at Yield	330	kg/cm ²	ASTM D638
Elongation at Break	300	%	ASTM D638
Flexural Modulus	17000	kg/cm ²	ASTM D790
Spiral Flow	800	mm	SK Method
Hardness(Rockwell)	100	R Scale	ASTM D785
Heat Distortion Temperature	135	°C	ASTM D648
Oven Aging Time	360	hr	ASTM D3012

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