

Impact HCPP BX3900

YUPLENE BX3900 is a high crystalline propylene impact copolymer designed for injection molding applications. YUPLENE BX3900 has excellent properties in stiffness, flow, mechanical properties, heat resistance and impact strength, which make YUPLENE BX3900 suitable for auto parts, electric appliances, large size containers, thin wall and very high speed injection applications. This is not a chemical cracked grade so it is free from surface gas mark. YUPLENE BX3900 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

Injection Molding / automobile applications, industrial parts for electronic, large container

Characteristics

High Stiffness, High Impact Strength

Physical Properties

	Value	Unit	Test Method
Melt Index	60	g/10min	ASTM D1238
Softening Point (Vicat)	155	°C	ASTM D1525
Tensile Strength at Yield	330	kg/cm ²	ASTM D638
Elongation at Break	<100	%	ASTM D638
IZOD Impact Strength (Notched, -20°C)	4.0	kg-cm/cm	ASTM D256
IZOD Impact Strength (Notched, 23°C)	6.5	kg-cm/cm	ASTM D256
Spiral Flow	>800	mm	SK Method
Flexural Modulus	19000	kg/cm ²	ASTM D790
Hardness(Rockwell)	105	R Scale	ASTM D785
Heat Distortion Temperature	135	°C	ASTM D648
Accelerated Oven Aging at 150°C	360	hr	ASTM D3012

These are typical properties only, and are not to be construed as specific limits.