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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 / industrial parts for electronic, automobile applications, large container

Physical Properties

	Value	Unit	Test Method
Melt Index (2.16kg, 230°C)	61	g/10min	ASTM D1238
Tensile Strength at Yield	310	kg/cm²	ASTM D638
Elongation at Break	<100	%	ASTM D638
Flexural Modulus	18000	kg/cm²	ASTM D790
IZOD Impact Strength(Notched, 23°C)	6.0	kg·cm/cm	ASTM D256
IZOD Impact Strength(Notched, -20°C)	2.3	kg·cm/cm	ASTM D256
Hardness(Rockwell)	105	R Scale	ASTM D785
Softening Point(Vicat)	155	°C	ASTM D1525
Heat Distortion Temperature (0.45MPa)	120	°C	ASTM D648

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

** Processing method: Injection Molding

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