

# IMPACT PP BX3800

YUPLENE BX3800 is a high crystalline propylene impact copolymer designed for injection molding applications. YUPLENE BX3800 has excellent properties in stiffness, flow and mechanical properties, heat resistance and impact strength, which make YUPLENE BX3800 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 BX3800 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 / Automobile applications, Home appliances, Industrial parts for electronic

## Characteristics

Stiffness, Heat resistance, Impact strength, High flow

## Physical Properties

	Value	Unit	Test Method
Melt Index	30.0	g/10min	ASTM D1238
Softening Point(Vicat)	155	°C	ASTM D1525
Tensile Strength at Yield	330	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break	<200	%	ASTM D638
IZOD Impact Strength(Notched, -20°C)	5.0	kg·cm/cm	ASTM D256
IZOD Impact Strength(Notched, 23°C)	7.0	kg·cm/cm	ASTM D256
Spiral Flow	>800	mm	SK Method
Flexural Modulus	19000	kg/cm <sup>2</sup>	ASTM D790

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Hardness(Rockwell)	102	R Scale	ASTM D785
Heat Distortion Temperature	135	°C	ASTM D648
Oven Aging Time	360	hr	ASTM D3012

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