

# YUPLENE® BX3820

Polypropylene Impact Copolymer

SK Global Chemical

## Message:

YUPLENE BX3820 is a high crystalline propylene impact copolymer designed for injection molding applications. YUPLENE BX3820 has excellent properties in stiffness, flow, mechanical properties, heat resistance and impact strength, which make YUPLENE BX3820 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 BX3820 can reduce various injection problems such as surface trouble, shrink, warpage etc. and reduce the cycle time of injection molding due to rapid crystallization.

General Information			
Features	Crystalline		
	High Flow		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Appliances		
	Automotive Applications		
	Containers		
	Electrical/Electronic Applications		
	Industrial Applications		
	Thin-walled Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Spiral Flow	> 80.0	cm	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Break)	< 200	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	34	J/m	
23°C	64	J/m	
Aging	Nominal Value	Unit	Test Method
Oven Aging	15.0	day	ASTM D3012

Heat Deflection Temperature	135	°C	ASTM D648
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	155	°C	ASTM D1525

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