

YUPLENE® B391G

Polypropylene Impact Copolymer

SK Global Chemical

Message:

YUPLENE B391G is a propylene impact copolymer designed for injection molding applications. YUPLENE B391G has high stiffness, excellent dimensional stability, good impact strength and very high flowability. This is not a chemical cracked grade so it is free from surface gas mark. YUPLENE B391G is especially suitable for various electrical appliances, large products and thin wall products. YUPLENE B391G complies with FDA regulation 21 CFR177.1520.

General Information			
UL YellowCard	E135809-222661		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Impact Copolymer		
Uses	Appliance Components		
	Automotive Applications		
	Containers		
	Electrical/Electronic Applications		
	Industrial Applications		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
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)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	< 500	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	
23°C	74	J/m	
Aging	Nominal Value	Unit	Test Method
Accelerated Oven Aging - in Air (150°C)	15.0	day	ASTM D3012

Heat Deflection Temperature	110	°C	ASTM D648
DuPont Impact Strength (-10°C)	> 1.96	J	ASTM D2794
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ASTM D1525

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