

YUPLENE® B391G

Technical DataSheet | Supplied by SK geo centric

YUPLENE® B391G by SK Global Chemical is an impact copolymer polypropylene (PP, Impact Copolymer) grade, exhibiting high stiffness and excellent dimensional stability. Designed for injection molding applications. YUPLENE® B391G is suitable for various electrical appliances, thin walled and large products. Complies with FDA regulation 21 CFR177.1520.

Product Type	PP (Polypropylene) > PP, Impact Copolymer
Product Status	COMMERCIAL
Applications/ Recommended for	Appliances Injection molding - thermoplastics
Food contact approval	Yes
Key Features	Copolymer Dimensional stability, Good Impact Resistance, Good Stiffness, High

YUPLENE® B391G Properties

Physical	Value & Unit	Test Condition	Test Method
Specific Gravity	- g/cm ³		ASTM D1505
Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)	40.0 g/10 min		ASTM D1238
Spiral Flow	> 800 mm		SK Method

Thermal	Value & Unit	Test Condition	Test Method
Vicat Softening Temperature	150 °C		ASTM D1525

Heat Deflection Temperature (HDT)	90 °C	ASTM D648
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Mechanical	Value & Unit	Test Condition	Test Method
Tensile Strength	270 kg/cm ²	at Yield	ASTM D638
Tensile Elongation	< 500 %	at Break	ASTM D638
Impact Strength, Notched Izod	2.5 kg.cm/cm	-20°C	ASTM D256
Impact Strength, Notched Izod	6 kg.cm/cm	23°C	ASTM D256
Flexural Modulus	12.000 kg/cm ²		ASTM D790
Hardness, Rockwell	80 -	R Scale	ASTM D785

Impact Properties	Value & Unit	Test Condition	Test Method
Dupont Impact	> 20 kg.cm	at -10°C	ASTM D2794

Aging	Value & Unit	Test Condition	Test Method
Accelerated Oven Aging	360 hr	in Air at 150°C	ASTM D3012

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