

YUPLENE® B350F

Technical DataSheet | Supplied by SK geo centric

YUPLENE® B350F by SK Global Chemical is an impact copolymer polypropylene (PP, Impact Copolymer) grade, exhibiting excellent toughness and good dimensional stability. Designed for injection molding applications. YUPLENE® B350F is suitable for household articles, electric home appliances, battery cases, various containers, automobile and industrial parts for electronic markets. Complies with FDA regulation 21 CFR177.1520.

Product Type	PP (Polypropylene) > PP, Impact Copolymer
Product Status	COMMERCIAL
Applications/ Recommended for	Engineering / manufacturing Households products/ Consumer Goods Packaging Appliances Automotive Electrical markets > Battery cases Injection molding - thermoplastics
Food contact approval	Yes
Key Features	Copolymer Dimensional stability, Good Impact resistance, High Toughness, Good

YUPLENE® B350F Properties

Physical	Value & Unit	Test Condition	Test Method
Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)	9.0 g/10 min		ASTM D1238
Spiral Flow	700 mm		SK Method

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

Heat Deflection Temperature (HDT)	110 °C	ASTM D648
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Mechanical	Value & Unit	Test Condition	Test Method
Hardness, Rockwell R	90		ASTM D785
Flexural Modulus	12000 kg/cm ²		ASTM D790
Impact Strength, Notched Izod	4 kg/cm ³	At -20°C	ASTM D256
Impact Strength, Notched Izod	12 kg/cm ³	At 23°C	ASTM D256
Elongation at Break	> 500 %		ASTM D638
Tensile Strength, Yield	270 kg/cm ²		ASTM D638

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

Impact Properties	Value & Unit	Test Condition	Test Method
Dupont Impact	>30 kg.cm	at -10°C	ASTM D2794

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