

KMI PP KM-023IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-023IB is a high impact and stiffness PP for injection molding applications with excellent impact strength and high stiffness. This grade shows high falling weight impact at low temperature and good UV stability. It is suitable for carte box, pallet and applications which need the high impact strength/stiffness balance.

Food Contact Application:

KM-023IB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

Excellent stiffness/impact balance

High falling weigh impact at low temperature

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Impact resistance, high		
	Good UV resistance		
	Low temperature impact resistance		
	Compliance of Food Exposure		
Uses	Pallets		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	> 390	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	115	°C	ASTM D648

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