

KMI PP KM-021BB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-021BB is the block HIPP for sheet and thermoforming applications. KMI impact polypropylene shows an excellent balance between stiffness and impact strength at low temperatures as well as good processability.

Food Contact Application:

KM-021BB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

Excellent balance between stiffness and impact strength

Good appearance and processability

General Information			
Features	Block Copolymer		
	Impact copolymer		
	Impact resistance, high		
	Workability, good		
	Compliance of Food Exposure		
	Good appearance		
Uses	Thermoforming Applications		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	110	°C	ASTM D648

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